



TITLE OF INVENTION: EIN  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/824,878  
 FILING DATE: Filed Herewith  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0255 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 368 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: Genbank  
 CLONE: 205276  
 ; US-08-824-878-3

Query Match 3.7%; Score 165.5; DB 2; Length 368;  
 Best Local Similarity 24.1%; Pred. No. 1e-06;  
 Matches 76; Conservative 47; Mismatches 140; Indels 53; Gaps 10;  
 Qy 6 VAGAAAYNEKSGRITSLSLIFQKVFAOLFPQWRKGNT-----ECLPYKCSETG 54  
 Db 63 LAGNARDNKGGRVTPRHLAVANDEELNOLLGKVTLASGGVLPNIHPELLAKRGSKG 122  
 Qy 55 AL-----GENYSWQIPINHNPKLNNEOLQVTLASGGVLPNIHPELLAKRGSKG 122  
 Db 123 KLEAITTPPPAKAKSPQKPVAKKTGG--KKGARK---SKKQGEVSKAASDSTE 175  
 Qy 102 G-----NSKSLQFPRKMLTPRIELSVWKDDLTTHAVDAVNAANEDLHGGIALA 152  
 Db 176 GAPTDTGETVLSKSLFLGQK-----LOVQADIASIDSVAVHPNTDFYIGEVGST 228  
 Qy 153 LVKAGGFETQESKQFVARYKVSAGETAVTGAGRLPKQIITHAVGRPRMWEVDKGCTGK 212  
 Db 229 LEKKGGKRFEEVAVLERKKGNGPLEVAGAVASAGHGLPKAFVHICNSP--WVGSKDCEEL 285  
 Qy 213 LORAVISLNVYVKNTHIKVTAIPASSGIQFPLNLTCTKIVETTRVSLQGKPMNSL 272  
 Db 286 LEKTVKNCI--ALADDRKLSIAFPSGSRGNGFPKQTAQOLIKAI-SYFVSTMSSSI 342  
 Qy 273 KEHVLVSNEPDPTVAAF 288  
 Db 343 KTVYFVLFDSESIGY 358

; RESULT 3  
 US-09-353-688-3  
 ; Sequence 3, Application US/09353688  
 ; Patient No. 6136314  
 ; GENERAL INFORMATION:

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/353,688  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0255 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 368 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: Genbank  
 CLONE: 205276  
 ; US-09-353-688-3

Query Match 3.7%; Score 165.5; DB 3; Length 368;  
 Best Local Similarity 24.1%; Pred. No. 1e-06;  
 Matches 76; Conservative 47; Mismatches 140; Indels 53; Gaps 10;  
 Qy 6 VAGAAAYNEKSGRITSLSLIFQKVFAOLFPQWRKGNT-----ECLPYKCSETG 54  
 Db 63 LAGNARDNKGGRVTPRHLAVANDEELNOLLGKVTLASGGVLPNIHPELLAKRGSKG 122  
 Qy 55 AL-----GENYSWQIPINHNPKLNNEOLQVTLASGGVLPNIHPELLAKRGSKG 122  
 Db 123 KLEAITTPPPAKAKSPQKPVAKKTGG--KKGARK---SKKQGEVSKAASDSTE 175  
 Qy 102 G-----NSKSLQFPRKMLTPRIELSVWKDDLTTHAVDAVNAANEDLHGGIALA 152  
 Db 176 GAPTDTGETVLSKSLFLGQK-----LOVQADIASIDSVAVHPNTDFYIGEVGST 228  
 Qy 153 LVKAGGFETQESKQFVARYKVSAGETAVTGAGRLPKQIITHAVGRPRMWEVDKGCTGK 212  
 Db 229 LEKKGGKRFEEVAVLERKKGNGPLEVAGAVASAGHGLPKAFVHICNSP--WVGSKDCEEL 285  
 Qy 153 LORAVISLNVYVKNTHIKVTAIPASSGIQFPLNLTCTKIVETTRVSLQGKPMNSL 272  
 Db 286 LEKTVKNCI--ALADDRKLSIAFPSGSRGNGFPKQTAQOLIKAI-SYFVSTMSSSI 342  
 Qy 273 KEHVLVSNEPDPTVAAF 288  
 Db 343 KTVYFVLFDSESIGY 358

; RESULT 4  
 US-08-824-878-1  
 ; Sequence 1, Application US/08824878  
 ; General Information:

Patent No. 5981221 ; Sequence 1, Application US/09353688  
 GENERAL INFORMATION: ; Patent No. 6136314  
 APPLICANT: Hillman, Jennifer L. ; GENERAL INFORMATION:  
 TITLE OF INVENTION: NOVEL HISTONE FUSION PROT  
 TITLE OF INVENTION: EIN ; APPLICANT: Hillman, Jennifer L.  
 NUMBER OF SEQUENCES: 4 ; TITLE OF INVENTION: NOVEL HISTONE FUSION PROT  
 CORRESPONDENCE ADDRESS: ; NUMBER OF SEQUENCES: 4  
 ADDRESSEE: Incyte Pharmaceuticals, Inc. ; TITLE OF INVENTION: EIN  
 STREET: 3174 Porter Drive ; NUMBER OF SEQUENCES: 4  
 CITY: Palo Alto ; STREET: 3174 Porter Drive  
 STATE: CA ; CITY: Palo Alto  
 COUNTRY: USA ; STATE: CA  
 ZIP: 94304 ; COUNTRY: USA  
 COMPUTER READABLE FORM: ; ZIP: 94304  
 COMPUTER TYPE: Diskette ; COMPUTER READABLE FORM:  
 COMPUTER: IBM Compatible ; COMPUTER TYPE: Diskette  
 OPERATING SYSTEM: DOS ; COMPUTER: IBM Compatible  
 SOFTWARE: FastSEQ for Windows Version 2.0 ; OPERATING SYSTEM: DOS  
 CURRENT APPLICATION DATA: ; SOFTWARE: FastSEQ for Windows Version 2.0  
 APPLICATION NUMBER: US/08/824,878 ; CURRENT APPLICATION DATA:  
 FILING DATE: Filed Herewith ; APPLICATION NUMBER: US/09/353,688  
 CLASSIFICATION: 435 ; FILING DATE:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0255 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-845-4166  
 TELFAX: 415-845-4166  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 373 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: BRSTNOT05  
 CLONE: 2297753  
 US-08-824-878-1

Query Match 3.6%; Score 159; DB 2; Length 373;  
 Best Local Similarity 22.7%; Pred. No. 4.2e-06; Gaps 9;  
 Matches 72; Conservative 54; Mismatches 141; Indels 50; Gaps 9;  
 Qy 6 VAGAAAYNEKSGRITSLSLIFQKVFAIDFPQWRKGNT-----EECLPYKCSSETG 54  
 Db 63 LAGNAARDNKGKGRVTPRHILLAVANDEELNQLKGVTIASGGVLPNTHPELLAKRGSKG 122  
 Qy 55 AL-----GENYSWQIPIHNHDFKLKNRQLCEVQIKNFKCISTIVSP---- 98  
 Db 123 KLEAITTPPPAKKAKPSQKVK-----KAGGKGARKSKKKQGEVSKRASADSNNR 176  
 Qy 99 ---VQEG----NSKSLQVFRKMLTPRIELSVMKDLTTHAVDAVNAANEDLHGGGL 151  
 Db 177 GEHLPGDGTIVLSTKSLFQGOKNLHSEIS---NLAGFENVEAIIINFTNADLKDIGN 232  
 Qy 152 ALVKAGGPEIQLERSKQFVARYGKVSAGEIAVTGAGRPLCKQIITHAVGPRWMEDWDKGCTG 211  
 Db 233 TLEKKGGKEFVEAVLRLKKNGPLEVAGAAVSGHGLPAKFVHCNSP---VWGDCKEE 289  
 Qy 212 KIQRATIVSILVIVYKQHIIKVAIPALSSGIFQFPLNLTQKIVETIRVSLQGPMSN 271  
 Db 290 LIEKTVKNCL--ALADDKKLKSIAFPSSGSGNGFPKQTAQOLIKAS-SYFVSTMSS 346  
 Qy 272 LKEIHLVSNEDEPTVAAP 28  
 Db 347 IKTVYFVLFDSSIGIV 363

RESULT 5

US-09-353-688-1 ; Sequence 1, Application US/09353688  
 ; Patent No. 6136314  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hillman, Jennifer L.  
 ; TITLE OF INVENTION: NOVEL HISTONE FUSION PROT  
 ; NUMBER OF SEQUENCES: 4  
 ; TITLE OF INVENTION: EIN  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94304  
 COMPUTER READABLE FORM:  
 COMPUTER TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/353,688  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0255 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-845-4166  
 TELFAX: 415-845-4166  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 373 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: BRSTNOT05  
 CLONE: 2297753  
 US-09-353-688-1

Query Match 3.6%; Score 159; DB 3; Length 373;  
 Best Local Similarity 22.7%; Pred. No. 4.2e-06; Gaps 9;  
 Matches 72; Conservative 54; Mismatches 141; Indels 50; Gaps 9;  
 Qy 6 VAGAAAYNEKSGRITSLSLIFQKVFAIDFPQWRKGNT-----EECLPYKCSSETG 54  
 Db 63 LAGNAARDNKGKGRVTPRHILLAVANDEELNQLKGVTIASGGVLPNTHPELLAKRGSKG 122  
 Qy 55 AL-----GENYSWQIPIHNHDFKLKNRQLCEVQIKNFKCISTIVSP---- 98  
 Db 123 KLEAITTPPPAKKAKPSQKVK-----KAGGKGARKSKKKQGEVSKRASADSNNR 176  
 Qy 99 ---VQEG----NSKSLQVFRKMLTPRIELSVMKDLTTHAVDAVNAANEDLHGGGL 151  
 Db 177 GEHLPGDGTIVLSTKSLFQGOKNLHSEIS---NLAGFENVEAIIINFTNADLKDIGN 232  
 Qy 152 ALVKAGGPEIQLERSKQFVARYGKVSAGEIAVTGAGRPLCKQIITHAVGPRWMEDWDKGCTG 211  
 Db 233 TLEKKGGKEFVEAVLRLKKNGPLEVAGAAVSGHGLPAKFVHCNSP---VWGDCKEE 289  
 Qy 212 KIQRATIVSILVIVYKQHIIKVAIPALSSGIFQFPLNLTQKIVETIRVSLQGPMSN 271  
 Db 290 LIEKTVKNCL--ALADDKKLKSIAFPSSGSGNGFPKQTAQOLIKAS-SYFVSTMSS 346  
 Qy 272 LKEIHLVSNEDEPTVAAP 28  
 Db 347 IKTVYFVLFDSSIGIV 363

RESULT 6  
US-09-722-139-2  
Sequence 2, Application US/09722139  
; Patent No. 6355471  
; GENERAL INFORMATION:  
; APPLICANT: Freedman, Christophe  
; ADDRESS: Beraud, Christophe  
; TITLE OF INVENTION: No. 6355471tel motor proteins and methods for  
; FILE REFERENCE: 1055  
; CURRENT APPLICATION NUMBER: US/09/722,139  
; CURRENT FILING DATE: 2000-11-24  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 1375  
; TYPE: PRT  
; ORGANISM: Human  
; US-09-722-139-2

Query Match 3.1%; Score 136.5; DB 4; Length 1375;  
Best Local Similarity 18.7%; Pred. No. 0.0042; Matches 154; Conservative 131; Mismatches 299; Indels 239; Gaps 38; Db 683 ETFLRVOEELQRLKELNNNEAKFQIQEQLDOLQKEDQYKALEK----KRLEE 736

Qy 2 DFMSVAGAAANEKSGRTSISLIFQKRYFAQIFPQWRKGNTTECLPYKCSETGALGENYS 61  
Db 59 DFSPYSA---DTKSPDYVSQEMVFKTGTDVVKSAFEQYNAVCVAFY----GOTGSGKS 109

Qy 62 WQIPINHNDFKILKUNNEROLCEVQLNKE----GCISTLSPVQEGNSKSLQVFRM 113  
Db 110 YTMWGNSGDSGLIP---RICEGLFSRINETTRWDBASFRTEVSYLEIYERVDRLLRK 165

Qy 114 LTPRIELSV----WQDIDTHAVDAVNAANEDLLHCGGLALAVKAGGFETQES 165  
Db 166 SSKTFNLVRERKEGYVVEDLSKHLVQNYGDV--EELMDAGNINRTTATGMNDVSSRS 223

Qy 166 KQFVARYGVKSAGEIATVGA--GRUPCKQI--IHAVGPRMNE-WDKQGCT----GK 212  
Db 224 HAIFT----IKFTQAKFDSEMPCTVSKIHVLVLDLAGSERADATGATGVRLKEGGN 274

Qy 213 LQRAIV----SILNYVYKNT--HIKTVIAPALSSGIFQFPLNLT---252  
Db 275 INKSLVLTGAKKKQVFVYRDSVLTWLLKDSLGGNSKTIIMATISPADVNGETLSTRY 334

Qy 253 -----KTVETIRVL--QGKPMNSNLKIEHLVN----EDPTVAFAKASEFI 295  
Db 335 ANRAKNTINKPTINEDANVKLURELRAETARLKTLAQGNQIALIDSPTASMEKLN 394

Qy 296 LGK-SELGOETTPSNAM--VNNNLTQIVOGHIEWQTDIVVNSVNPSTHGPVAKSI 352  
Db 395 EARVOELTKEWTKWNKETONIKETQTLARKEGI----GWLVLDSELPHLI-----440

Qy 353 LQAGVEMKSFBLATKAKOFQRSQVLVTKGENFLCKVYHWHBF----PKPQI 405  
Db 441 ----GID-DDLSTGI-----ILYHLKEQTYVGRDADSTEQDI 474

Qy 406 LKHAMKECLEKCIEQNI--TSISFPAALGT---GNMELIKET---AAEIPDEVTFPAK 455  
Db 475 VHGLDLESEHCIFENIGGTWTLPLSGSQCSVNGVQIVELAHLNGAVILGRTNFR 534

Qy 456 DHVVKHOLTVKFVIFPTDLEIYKAFSSEMAKRSKMSLNNNSVQPOSTREKBN-----508  
Db 535 NHPKE-----AAKLRKRGKGLSSFLSMTDLKSRBNLSAWMLY 575

Qy 509 --GLE-ARSPAINMGEN---VEEMYEAH---AMQRI-----USQ 541  
Db 576 NPGLEPFERQREBLEKLESKRKULIEEMBEKOKSDAKELERMOQEVETORKETEIVOLQIR 635

Qy 542 NHIIENWHYLGRKEDILSOLQKTSVSSVSTEISPGTELEIGARADLLEVNNIE 601  
Db 636 KOESELKRSFHENKLUDLAKKEFEEERE-----QWELOKQRE-----E 682

RESULT 7  
US-09-721-832-2  
Sequence 2, Application US/09721832  
; Patent No. 6399346  
; GENERAL INFORMATION:  
; APPLICANT: Freedman, Christophe  
; ADDRESS: Beraud, Christophe  
; TITLE OF INVENTION: No. 6399346tel motor proteins and methods for  
; FILE REFERENCE: 1055  
; CURRENT APPLICATION NUMBER: US/09/721,832  
; CURRENT FILING DATE: 2000-11-24  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 1375  
; TYPE: PRT  
; ORGANISM: Human  
; US-09-721-832-2

Query Match 3.1%; Score 136.5; DB 4; Length 1375;  
Best Local Similarity 18.7%; Pred. No. 0.0042; Matches 154; Conservative 131; Mismatches 299; Indels 239; Gaps 38; Db 577 QKE---QMLVAHIEEQL----REKQEMIQLLRGEV 767

Qy 2 DFMSVAGAAANEKSGRTSISLIFQKRYFAQIFPQWRKGNTTECLPYKCSETGALGENYS 61  
Db 59 DFSPYSA---DTKSPDYVSQEMVFKTGTDVVKSAFEQYNAVCVAFY----GOTGSGKS 109

Qy 62 WQIPINHNDFKILKUNNEROLCEVQLNKE----GCISTLSPVQEGNSKSLQVFRM 113  
Db 110 YTMWGNSGDSGLIP---RICEGLFSRINETTRWDBASFRTEVSYLEIYERVDRLLRK 165

Qy 114 LTPRIELSV----WQDIDTHAVDAVNAANEDLLHCGGLALAVKAGGFETQES 165  
Db 166 SSKTFNLVRERKEGYVVEDLSKHLVQNYGDV--EELMDAGNINRTTATGMNDVSSRS 223

Qy 166 KQFVARYGVKSAGEIATVGA--GRUPCKQI--IHAVGPRMNE-WDKQGCT----GK 212  
Db 224 HAIFT----IKFTQAKFDSEMPCTVSKIHVLVLDLAGSERADATGATGVRLKEGGN 274

Qy 213 LQRAIV----SILNYVYKNT--HIKTVIAPALSSGIFQFPLNLT---252  
Db 275 INKSLVLTGAKKKQVFVYRDSVLTWLLKDSLGGNSKTIIMATISPADVNGETLSTRY 334

Qy 296 LGK-SELGOETTPSNAM--VNNNLTQIVOGHIEWQTDIVVNSVNPSTHGPVAKSI 352  
Db 335 ANRAKNTINKPTINEDANVKLURELRAETARLKTLAQGNQIALIDSPTASMEKLN 394

Qy 353 LQAGVEMKSFBLATKAKOFQRSQVLVTKGENFLCKVYHWHBF----PKPQI 405  
Db 441 ----GID-DDLSTGI-----ILYHLKEQTYVGRDADSTEQDI 474

Qy 406 LKHAMKECLEKCIEQNI--TSISFPAALGT---GNMELIKET---AAEIPDEVTFPAK 455  
Db 475 VHGLDLESEHCIFENIGGTWTLPLSGSQCSVNGVQIVELAHLNGAVILGRTNFR 534

Qy 496 LGK-SELGOETTPSNAM--VNNNLTQIVOGHIEWQTDIVVNSVNPSTHGPVAKSI 352  
Db 395 EARVOELTKEWTKWNKETONIKETQTLARKEGI----GWLVLDSELPHLI-----440

Qy 441 ----GID-DDLSTGI-----ILYHLKEQTYVGRDADSTEQDI 474

Qy 406 LKHAMKECLEKCIEQNI--TSISFPAALGT---GNMELIKET---AAEIPDEVTFPAK 455  
Db 475 VHGLDLESEHCIFENIGGTWTLPLSGSQCSVNGVQIVELAHLNGAVILGRTNFR 534

Qy 456 DHVVKHOLTVKFVIFPTDLEIYKAFSSEMAKRSKMSLNNNSVQPOSTREKBN-----508  
Db 535 NHPKE-----AAKLRKRGKGLSSFLSMTDLKSRBNLSAWMLY 575



US-08-973-462-B  
 Sequence 8, Application US/08973462B  
 Patent No. 6191270  
 GENERAL INFORMATION:  
 APPLICANT: DAUERLHE, PIERRE  
 TITLE OF INVENTION: MALARIAL PRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECULES  
 FILE REFERENCE: 0660-0125-0 PCT - 00  
 CURRENT APPLICATION NUMBER: US/08/973, 462B  
 CURRENT FILING DATE: 1998-02-06  
 EARLIER APPLICATION NUMBER: PCT/FR96/00894  
 EARLIER FILING DATE: 1996-06-12  
 EARLIER APPLICATION NUMBER: FR 95/07007  
 EARLIER FILING DATE: 1995-06-13  
 NUMBER OF SEQ ID NOS: 29  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 8  
 LENGTH: 1786  
 TYPE: PCT  
 ORGANISM: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence: Polypeptide  
 US-08-973-462-B

Query Match 3.0%; Score 133; DB 3; Length 1786;  
 Best Local Similarity 18.5%; Pred. No. 0 014; Mismatches 24; Indels 156; Gaps 28;  
 Matches 124; Conservative 128; MisMatches 264; Index 156; Gaps 28;

Qy 81 ILCVELQNLKFGCISTLVLSPVQEGNSKSLQVFRKMLTPRIELSWMKDDLTAVDAVNAAN 140  
 Db 845 IWBIEEKVENVITILENVEETAEUTITFSNILE---EQENTITNDTIEKL--- 895  
 Qy 141 EDULHGGGLALVLVKAAGGFETQBESKQFVARYGKVSAGEIAVIGAERLPCQIHAVGPR 200  
 Db 896 -BELHENVLSAALENT--QSEEEKEVVIDVIEEVKE-EVAT-----LIETV-- 938  
 Qy 201 WMEWDKGCGTQKLQRAVSVILVIVYKNTKIVTVAFLSGLQFFPLNLTCKTIVETIR 260  
 Db 939 - -EQAEEKSANTITEIENLEENAVERNEA-AENLEKLNFTVFTWLDKVEET-VEISG 994  
 Qy 261 VSLQGKFM-----MSNLKETHLVSNEEDPTVAFAKASEFILGKSELGQBTTPSNAM 312  
 Db 995 ESELENNMDKAFFSEEDPNVKGJ---QENLITGMFSIESIVIOSEEKVDLNENVSS 1050  
 Qy 313 VVNNLTLQIOVSHIEMWTADVIIVNSVNPHDITV-- PVAASLQOAGVE---MKSEF 364  
 Db 1051 ILDNIE-----NMKEGLINKLENISTSTEGVOETVTBHEVONVYDVPDVPAMKDQF 1100  
 Qy 365 LATKAKOFQRSQVILVTKG----FNU- -FCKYIYHLMWSEFPKQQLHAKMCKLE- 415  
 Db 1101 LG-----ILNBRAGGLKEMFNFNLEDVFKSESDVITVBEIKBPKVQKEVEKETSI 1149  
 Qy 416 -KCIENQNTISIHPALGTGNMELKETAAEILD--EVLTZAKDHVKHQITVFKVIFPT 471  
 Db 1150 IEMEENIVDV-----LBBEKDUTDMDVADAESEISISSDSEKETTSIKDKEV 1200  
 Qy 472 DPEIYKAFSSEMAKR-SKMLSLNNYSPOSTREKEKRNGLBARSSPANLMQFNFNVERNEYA 530  
 Db 1201 SLVVEEVODNDMDDESVEKVELKN-----MEEELMKDAVENDITSLKL-E-TOELNEV 1253  
 Qy 531 HA-----WIORLQLQNHIIIE--NWHILYLRKEDILSLOQKTSVSVTBIIS 578  
 Db 1254 BADLIKDMEKLEKELASESKEITDAKDITTEKLEVTEEDHTTDEV----- 1303  
 Qy 579 PGRTELEIEGARADLIEVMMNEDMLCKVQEMARKERGLWRLSGWTOQQTQDMK 638  
 Db 1304 -----VELKDVBDKIERKVSDLKDLESILKSVKEIKE-----LSEBIL 1342  
 Qy 639 ENIIFLKCVPVPTQELDQKOPKOFKQCGLQVLRVE-----KIDNEVLMMAFORKKM 689  
 Db 1343 EDYKELK---TIEDDILEBEKEITEKDHFKEFEEBEEAKDIBADILKEVSSLEVEBEKKL 1399  
 Qy 690 MEEKLHRQPVSH 701

Db 1400 EEVHELKEEVEH 1411  
 RESULT 11  
 Sequence 9, Application US/08801263A  
 GENERAL INFORMATION:  
 PATENT NO. 5811407  
 APPLICANT: Johnston, Robert E.  
 APPLICANT: Davis, Nancy L.  
 APPLICANT: Simpson, Dennis A.  
 TITLE OF INVENTION: System for the In Vivo Delivery and  
 TITLE OF INVENTION: Expression of Heterologous Genes in the Bone Marrow  
 NUMBER OF SEQUENCES: 12  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Bell Seltzer Park & Gibson, P.A.  
 STREET: 1211 East Morehead Street  
 CITY: Charlotte  
 STATE: No. 5811407th Carolina  
 COUNTRY: USA  
 ZIP: 28234  
 COMPUTER READABLE FORM:  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.3.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/801, 263A  
 FILING DATE: 19-FEB-1997  
 CLASSIFICATION: 514  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Sibley, Kenneth D.  
 REGISTRATION NUMBER: 31,665  
 REFERENCE/DOCKET NUMBER: 5470-147  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-420-2200  
 TELEFAX: 919-881-3175  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2512 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-801-263A-9

Query Match 3.0%; Score 132.5; DB 2; Length 2512;  
 Best Local Similarity 23.0%; Pred. No. 0.027; Mismatches 107; Indels 89; Gaps 13;  
 Matches 72; Conservative 45; MisMatches 107; Index 107; Gaps 13;

Qy 26 FOKVFAQIFPWRKGNTTECLPY---KCCTBTGALGENYSWQIPIHNDFKILN---- 76  
 Db 1227 YDLVFINIGTKYRNHHQQCDEDHAATLTKLRSALN-----CLNPGGLLVSYGAD 1279  
 Qy 77 -NERQLECLVNLKFGCISTLVLSPVQEGNSKSLQVTRKM-----LTPR---,TELSVW- 123  
 Db 1280 RNSEDVTVTALARKFVRSAAARPDCVSSNTMLYFRQDNSTRTOPTPHLNCVSSVYE 1339  
 Qy 124 -----KDDLTTHAVDVAWNAAANEDLHGGGLALVLVKAAGGFELQBESKQF 168  
 Db 1340 GTRDGVGAASYRTRENTIADCQEEBAVNAANPLGRPGEDGCRAIYK----- 1386  
 Qy 169 VARYGKVSAGIHAUTVAGAERLPC- -KQIHAVGPRMWNEDMKQGCTGKLORAIVSILVYI 225  
 Db 1387 - -RWPTSTFSUTATETGTCARMVCLGKVKVIAVGPDPFRKHPPEAALKULQNAHYAVADLV- 1443  
 Qy 226 YKNTH-ITVIAIPLASSGIF-----QFPINLCT-----KTVET-IRV 261  
 Db 1444 - -NERNIKSVAPLUSTGIVAGKDRLEVSINCLTADRTDADTVTICLUDKKWERIDA 1501  
 Qy 262 SLOGKPMMSNIKE 274  
 Db 1502 ALQLKESSTVTEUKD 1514

RESULT 12  
US-09-102-248-9  
; Sequence 9, Application US/09102248  
; Patent No. 6008035  
; GENERAL INFORMATION:  
; APPLICANT: Johnston, Robert E.  
; APPLICANT: Davis, Nancy L.  
; TITLE OF INVENTION: System for the In Vivo Delivery and  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bell Seltzer Park & Gibson, P.A.  
; STREET: 1211 East Morehead Street  
; CITY: Charlotte  
; STATE: No. 6008035th Carolina  
; COUNTRY: USA  
; ZIP: 28224  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/102,248  
; FILING DATE:  
; CLASSIFICATION:  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: US 08/1801,263  
; FILING DATE: 19-FEB-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sibley, Kenneth D.  
; REGISTRATION NUMBER: 31,665  
; REFERENCE/DOCKET NUMBER: 5470-147  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 919-420-2200  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2512 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-09-102-248-9

Query Match 3.0%; Score 132.5; DB 3; Length 2512;  
Best Local Similarity 23.0%; Pred. No. 0.027; Matches 72; Conservative 45; Mismatches 107; Indels 89; Gaps 13;

Qy 26 FOKVFAQIIPQWPKNTRCLPY---KCSETGALGENYSWQIPINHNDKILKN---- 76  
Db 1227 YDLVFINIGTGYRMHFFQCEDRATLKTLSRSLN----CLNPGGTLYVSKSYAD 1279

Qy 77 -NERQLCLEVQNLQFGCISTLVSQVQEGNSKSLQVERKM----LTPR---IELSW- 123  
Db 1280 RNSEDVVTALARKFVRVSAARPDCCVSNTTEMYLIFRQLDNRTRQFPHHLNCVSSVYE 1339

Qy 124 -----KDLITTHAVDAVNAANEDLHGGGLALVKGGEFIOEESKQF 168

Db 1340 GTRDGVGAAAPSYRTKRENIDCQEEAVVNAANPLGRPEGEVRAIK---- 1386

Qy 169 VARYGKVSAGEIATVGTGAGRLP-C--KQIHAVGPRNEWDKQGCTGKLQRATVSLNYYI 225  
Db 1387 --RWPTFTDSATETGTRMVTGKGKVTHAVGDPFRKPEBAKLKLQNAHADLV- 1443

Qy 226 YKNTH-IKTVPAASSGIF----QFPLNCT-----KTIVETIRV 261  
Db 1444 --NEHNKSVAPLSTGIYACKDRLEVSNCLTALDRTDADTVIYCLDKKKWERIDA 1501

Qy 262 SLOGKPMNSNLKE 274

RESULT 13  
US-09-367-764-9  
; Sequence 9, Application US/09367764  
; Patent No. 6583121  
; GENERAL INFORMATION:  
; APPLICANT: Johnston, Robert E.  
; APPLICANT: Davis, Nancy L.  
; TITLE OF INVENTION: System for the In Vivo Delivery and  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bell Seltzer Park & Gibson, P.A.  
; STREET: 1211 East Morehead Street  
; CITY: Charlotte  
; STATE: No. 6583121th Carolina  
; COUNTRY: USA  
; ZIP: 28234  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/367,764  
; FILING DATE:  
; CLASSIFICATION:  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: US 08/1801,263  
; FILING DATE: 19-FEB-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sibley, Kenneth D.  
; REGISTRATION NUMBER: 31,665  
; REFERENCE/DOCKET NUMBER: 5470-147  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 919-420-2200  
; TELEFAX: 919-881-3175  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2512 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-09-367-764-9

Query Match 3.0%; Score 132.5; DB 4; Length 2512;  
Best Local Similarity 23.0%; Pred. No. 0.027; Matches 72; Conservative 45; Mismatches 107; Indels 89; Gaps 13;

Qy 26 FOKVFAQIIPQWPKNTRCLPY---KCSETGALGENYSWQIPINHNDKILKN---- 76  
Db 1227 YDLVFINIGTGYRMHFFQCEDRATLKTLSRSLN----CLNPGGTLYVSKSYAD 1279

Qy 77 -NERQLCLEVQNLQFGCISTLVSQVQEGNSKSLQVERKM----LTPR---IELSW- 123  
Db 1280 RNSEDVVTALARKFVRVSAARPDCCVSNTTEMYLIFRQLDNRTRQFPHHLNCVSSVYE 1339

Qy 124 -----KDLITTHAVDAVNAANEDLHGGGLALVKGGEFIOEESKQF 168

Db 1340 GTRDGVGAAAPSYRTKRENIDCQEEAVVNAANPLGRPEGEVRAIK---- 1386

Qy 169 VARYGKVSAGEIATVGTGAGRLP-C--KQIHAVGPRNEWDKQGCTGKLQRATVSLNYYI 225  
Db 1444 --NEHNKSVAPLSTGIYACKDRLEVSNCLTALDRTDADTVIYCLDKKKWERIDA 1501

Qy 226 YKNTH-IKTVPAASSGIF----QFPLNCT-----KTIVETIRV 261  
Db 1444 --NEHNKSVAPLSTGIYACKDRLEVSNCLTALDRTDADTVIYCLDKKKWERIDA 1501

Qy 262 SLOGKPMNSNLKE 274



QY	770	FFCQ-----GHLNIVPPPLSGAIDGHDSDVVDNS---SPETFVFTFSG	810
Db	1251	-FCRVTLGKSFLQFSTMKQAH-----APP-----GHHSVIGRPSVNGLAYAEEVYIRG	1297
QY	811	MQAIPQXWIT 820	
Db	1298	EQYVPEVYIT 1307	

Search completed: October 28, 2003, 15:14:35  
Job time : 23 secs

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Query Match 94.6%; Score 4208.5; DB 10; Length 819;  
 Best Local Similarity 95.4%; Pred. No. 0;  
 Matches 815; Conservative 3; Mismatches 1; Indels 35; Gaps 1;  
 Db 1 MDFSMWAGABAYNEK-----SETGALGENY 25

Qy 1 AVTGAGRPLPKQIHAVGPRMNEWDKOGCTKLRQRAIVSINYVYKNTHTKTAIPALS 240  
 Db 181 AVTGAGRPLPKQIHAVGPRMNEWDKOGCTKLRQRAIVSINYVYKNTHTKTAIPALS 240

Qy 241 SGIFQFPLNLCPTKTTIVETIRVSLOCKPMMNSNLKEIHLVSNEDEPTVAFKASEFILGKSE 300  
 Db 241 SGIFQFPLNLCPTKTTIVETIRVSLOCKPMMNSNLKEIHLVSNEDEPTVAFKASEFILGKSE 300

Qy 301 LGQETTPSFNAMVNNTLQVQGHLEWQADIVAVSVPDITVOPVAKSILQOAGVEM 360  
 Db 301 LGQETTPSFNAMVNNTLQVQGHLEWQADIVAVSVPDITVOPVAKSILQOAGVEM 360

Qy 361 KSEFLATKAKOFORSOLVLTGKFGNLFCKYIYVLMHSEFPKPKQIHKAMCECLECIEQ 420  
 Db 361 KSEFLATKAKOFORSOLVLTGKFGNLFCKYIYVLMHSEFPKPKQIHKAMCECLECIEQ 420

Qy 421 NITSISPALGTGNMELKEKTAELFDEVLTAKDVKHQLTVKVFIPPTDLEYKA 479  
 Db 421 NITSISPALGTGNMELKEKTAELFDEVLTAKDVKHQLTVKVFIPPTDLEYKA 479

Qy 480 SEMAKRSKMLSLNNYVSPOSTREKRENGLEARSPAINLGFNVEEMYAHAWIORS 539  
 Db 480 SEMAKRSKMLSLNNYVSPOSTREKRENGLEARSPAINLGFNVEEMYAHAWIORS 539

Qy 600 IEDMLCKVQEEMARKKERGLWRSLGWTQIQQTDEMKENITFLKCPVPTQELDKK 540  
 Db 600 IEDMLCKVQEEMARKKERGLWRSLGWTQIQQTDEMKENITFLKCPVPTQELDKK 540

Qy 540 IONHHIENNHTYLGRKEHDILSOLQKTSVSVITEISPORTELEBEGARADLEVMN 599  
 Db 541 LQQETTPSFNAMVNNTLQVQGHLEWQADIVAVSVPDITVOPVAKSILQOAGVEM 600

Qy 660 QEKCGQVLUKVIDEVULMAFORKKMMMEKULHQPVSHRLFQOQVPOFCNWCRCV 719  
 Db 660 QEKCGQVLUKVIDEVULMAFORKKMMMEKULHQPVSHRLFQOQVPOFCNWCRCV 719

Qy 780 VPPLSRGAGIDHSDVVDNSPEPETVIFSGMOAIPOLWCTQEVOSDYSQSGPMP 838  
 Db 780 VPPLSRGAGIDHSDVVDNSPEPETVIFSGMOAIPOLWCTQEVOSDYSQSGPMP 838

Qy 839 FQHPWFGFASGSPVD 854  
 Db 839 FQHPWFGFASGSPVD 854

Qy 841 FQHPWFGFASGSPVD 856  
 Db 841 FQHPWFGFASGSPVD 856

RESULT 2  
 US-09-882-529-2

; Sequence 2, Application US/09882529  
 ; Patent No. US20020132317A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Peyman, John A  
 ; APPLICANT: da Silva, Antonio  
 ; APPLICANT: Hockman, Paula  
 ; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC  
 FILE REFERENCE: 15966-771  
 CURRENT APPLICATION NUMBER: US/09/882,529  
 CURRENT FILING DATE: 2001-09-12  
 PRIOR APPLICATION NUMBER: 60/211, 565  
 PRIOR FILING DATE: 2000-06-15  
 NUMBER OF SEQ ID NOS: 16  
 SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 2  
 ; LENGTH: 819  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-882-529-2

RESULT 3  
 US-09-882-529-3  

; Sequence 3, Application US/09882529  
 ; Patent No. US20020132317A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Peyman, John A  
 ; APPLICANT: da Silva, Antonio  
 ; APPLICANT: Hockman, Paula

; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEARIC  
 ; TITLE OF INVENTION: ACIDS ENCODING SAME  
 ; FILE REFERENCE: 15966-771  
 ; CURRENT APPLICATION NUMBER: US/09/882, 529  
 ; CURRENT FILING DATE: 2001-09-12  
 ; PRIORITY APPLICATION NUMBER: 60/211, 565  
 ; PRIORITY FILING DATE: 2000-06-15  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SEQ ID NO 3  
 ; LENGTH: 821  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-882-529-3

Query Match 93.9%; Score 4175.5; DB 10; Length 821;  
 Best Local Similarity 95.1%; Pred. No. 0; Mismatches 0; Indels 37; Gaps 3;  
 Matches 814; Conservative 1; MisMatches 5; Indels 37; Gaps 3;

Qy 1 MDFMSVAGAAVNEKSGRITSISLLFQKVPAQIFPPQWRKGNTTECLPYKCSETGALGENY 60  
 Db 1 MDFMSVAGAAVNEKSGRITSISLLFQKVPAQIFPPQWRKGNTTECLPYKCSETGALGENY 60  
 ; PRIORITY FILING DATE: 2001-09-12  
 ; CURRENT APPLICATION NUMBER: US/09/882, 529  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SEQ ID NO 7  
 ; LENGTH: 179  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-882-529-7

Query Match 20.5%; Score 912; DB 10; Length 179;  
 Best Local Similarity 99.4%; Pred. No. 3.3e-75; Mismatches 1; Indels 0; Gaps 0;  
 Matches 178; Conservative 1; MisMatches 0; Indels 0; Gaps 0;

Qy 114 LTPRIEN-SWKKDLTHAVDAVNAANEDLHGGGLALALVAGGFEI 173  
 Db 1 LTPRIEN-SWKKDLTHAVDAVNAANEDLHGGGLALALVAGGFEI 173  
 ; PRIORITY FILING DATE: 2001-09-12  
 ; CURRENT APPLICATION NUMBER: US/09/882, 529  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SEQ ID NO 7  
 ; LENGTH: 179  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-882-529-7

Query Match 20.5%; Score 912; DB 10; Length 179;  
 Best Local Similarity 99.4%; Pred. No. 3.3e-75; Mismatches 1; Indels 0; Gaps 0;  
 Matches 178; Conservative 1; MisMatches 0; Indels 0; Gaps 0;

Qy 174 KVSAGEIAVTGAGRPLCKQIITHAVGPRMENWDKGQGTCGKQRAIVSILNVYIYKNTIKT 233  
 Db 61 KVSAGEIAVTGAGRPLCKQIITHAVGPRMENWDKGQGTCGKQRAIVSILNVYIYKNTIKT 233  
 ; PRIORITY FILING DATE: 2001-09-12  
 ; CURRENT APPLICATION NUMBER: US/09/882, 529  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SEQ ID NO 7  
 ; LENGTH: 179  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-882-529-7

Query Match 20.5%; Score 912; DB 10; Length 179;  
 Best Local Similarity 99.4%; Pred. No. 3.3e-75; Mismatches 1; Indels 0; Gaps 0;  
 Matches 178; Conservative 1; MisMatches 0; Indels 0; Gaps 0;

Qy 234 VAIPALSSGIOPPLNLTCTKIVETIRVSLOCKPMMNSNLKEIHLVSNEDPVAAFKAS 292  
 Db 121 VAIPALSSGIOPPLNLTCTKIVETIRVSLOCKPMMNSNLKEIHLVSNEDPVAAFKAS 179  
 ; PRIORITY FILING DATE: 2001-09-12  
 ; CURRENT APPLICATION NUMBER: US/09/882, 529  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SEQ ID NO 5  
 ; LENGTH: 169  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-882-529-5

Query Match 18.9%; Score 841.5; DB 10; Length 169;  
 Best Local Similarity 97.6%; Pred. No. 8.6e-69; Mismatches 2; Indels 1; Gaps 1;  
 Matches 165; Conservative 1; MisMatches 2; Indels 1; Gaps 1;

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QY 313 VNNLTLVOGHETQANIVIVNSVNPHTIVGPKVAKSILQOAGVEMKSEFLATAKQF 372
Db 1 VNNLTLQVOGHETQWTAIVNSVNPHTIVGPKVAKSILQOAGVEMKSEFLATAKQF 60
; ORSOLVNLVTRGFNTRCKYIYHVLWHSEFPKPOILKHAMKECLEKCTEONITSISFPALGT 432
QY 61 ORSOLVNLVTRGFNTRCKYIYHVLWHSEFPKPOILKHAMKECLEKCTEONITSISFPALGT 120
Db 433 GNMKKEPAEELFDEVITF-AKOHVKHOLTVKVIPEPDLTKAFS 480
QY 121 GNMKKEPAEELFDEVITF-AKOHVKHOLTVKVIPEPDLTKAFS 169
; Sequence 9, Application US/09882529
; Patent No. US2002013317A1
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529
; PRIORITY NUMBER: 60/211,565
; PRIORITY FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 9
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-882-529-9

RESULT 6
Query Match 16.9%; Score 751; DB 10; Length 145;
Best Local Similarity 100.0%; Pred. No. 1-3e-60;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
FILE REFERENCE: 15966-771
CURRENT FILING DATE: 2001-09-12
PRIORITY NUMBER: 60/211,565
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 9
LENGTH: 145
TYPE: PRT
ORGANISM: Homo sapiens
US-09-882-529-9

QY 111 RKMTPRISLWVKDLDLTHAVDAVNAANEDLHGGGLALALVAGGFEIQQESKQFVA 170
Db 1 RKMTPRISLWVKDLDLTHAVDAVNAANEDLHGGGLALALVAGGFEIQQESKQFVA 60
; RYKVSAGETAVTGGGRPKQIHAVGPRMMEWDLQGCTGKQIQLQAVISINYVYKNTH 230
QY 61 RYKVSAGETAVTGGGRPKQIHAVGPRMMEWDLQGCTGKQIQLQAVISINYVYKNTH 120
Db 231 IKTVAIPALSSGIFQFPNLCTKTI 255
QY 121 IKTVAIPALSSGIFQFPNLCTKTI 145
; Sequence 15, Application US/09882529
; Patent No. US2002013317A1
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529
; CURRENT FILING DATE: 2000-09-12
; PRIORITY APPLICATION NUMBER: 60/211,565
; PRIORITY FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 11
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-882-529-11

RESULT 7
Query Match 14.1%; Score 626; DB 10; Length 121;
Best Local Similarity 100.0%; Pred. No. 2.8e-49;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
FILE REFERENCE: 15966-771
CURRENT FILING DATE: 2001-09-12
PRIORITY NUMBER: 60/211,565
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 11
LENGTH: 121
TYPE: PRT
ORGANISM: Homo sapiens
US-09-882-529-11

QY 136 WNAEEDLHGGGLALALVAGGFEIQQESKQFVARYGKVSAGETAVTGGGRPKQI 195
Db 1 WNAEEDLHGGGLALALVAGGFEIQQESKQFVARYGKVSAGETAVTGGGRPKQI 60
; AVGPRMMEWDLQGCTGKQIQLQAVISINYVYKNTHITKVALPALSSGIFQFPNLCTKTI 255
QY 196 AVGPRMMEWDLQGCTGKQIQLQAVISINYVYKNTHITKVALPALSSGIFQFPNLCTKTI 255
Db 61 AVGPRMMEWDLQGCTGKQIQLQAVISINYVYKNTHITKVALPALSSGIFQFPNLCTKTI 120
; Sequence 13, Application US/09882529
; Patent No. US2002013317A1
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529
; CURRENT FILING DATE: 2000-09-12
; PRIORITY APPLICATION NUMBER: 60/211,565
; PRIORITY FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 15
; LENGTH: 129

RESULT 8
Query Match 14.9%; Score 664; DB 10; Length 129;
Best Local Similarity 99.2%; Pred. No. 1e-52;
Matches 128; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
FILE REFERENCE: 15966-771
CURRENT FILING DATE: 2001-09-12
PRIORITY NUMBER: 60/211,565
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 11
LENGTH: 129
; Sequence 13, Application US/09882529
; Patent No. US2002013317A1
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529
; CURRENT FILING DATE: 2000-09-12
; PRIORITY NUMBER: 60/211,565
; PRIORITY FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 15
; LENGTH: 129

RESULT 9
Query Match 14.9%; Score 664; DB 10; Length 129;
Best Local Similarity 99.2%; Pred. No. 1e-52;
Matches 128; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
FILE REFERENCE: 15966-771
CURRENT FILING DATE: 2001-09-12
PRIORITY NUMBER: 60/211,565
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 15
LENGTH: 129
; Sequence 13, Application US/09882529
; Patent No. US2002013317A1
; GENERAL INFORMATION:
; APPLICANT: Peyman, John A
; APPLICANT: da Silva, Antonio
; APPLICANT: Hockman, Paula
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC
; FILE REFERENCE: 15966-771
; CURRENT APPLICATION NUMBER: US/09/882,529
; CURRENT FILING DATE: 2000-09-12
; PRIORITY NUMBER: 60/211,565
; PRIORITY FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 15
; LENGTH: 129

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; CURRENT FILING DATE: 2001-09-12  
 ; PRIOR APPLICATION NUMBER: 60/211,565  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO 13  
 ; LENGTH: 121  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-882-529-13  
  
 Query Match 14.1%; Score 626; DB 10; Length 121;  
 Best Local Similarity 100.0%; Pred. No. 2.8e-49;  
 Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 136 VNAANEDLHGGGLALALVKGAGFELQEQESKQVARYKVSAGEIAVTGAGRUPCKQIHL 195  
 Db 1 VNAANEDLHGGGLALALVKGAGFELQEQESKQVARYKVSAGEIAVTGAGRUPCKQIHL 60  
  
 Qy 196 AVGPRMWEWDKQGCTGKLUQRAIVSILNVVYKNTIKVAIPALSGIFQFPNLCTKI 255  
 Db 61 AVGPRMWEWDKQGCTGKLUQRAIVSILNVVYKNTIKVAIPALSGIFQFPNLCTKI 120  
  
 Qy 256 V 256  
 Db 121 V 121  
  
 RESULT 10  
 Sequence 6, Application US/09882529  
 ; PATENT NO. US20020132317A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Peyman, John A  
 ; APPLICANT: da Silva, Antonio  
 ; APPLICANT: Hockman, Paula  
 ; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC  
 ; ACIDS ENCODING SAME  
 ; FILE REFERENCE: 15966-771  
 ; CURRENT APPLICATION NUMBER: US/09/882,529  
 ; CURRENT FILING DATE: 2001-09-12  
 ; PRIORITY APPLICATION NUMBER: 60/211,565  
 ; PRIORITY FILING DATE: 2000-06-15  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; LENGTH: 170  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-882-529-6  
  
 Query Match 5.5%; Score 244.5; DB 10; Length 170;  
 Best Local Similarity 36.4%; Pred. No. 4.6e-14;  
 Matches 64; Conservative 31; Mismatches 70; Indels 11; Gaps 4;  
 Qy 115 TPRIELSWKQDILTHAVDAVNAAEVDLUGGGGLALVKGAGFELQEQESKQVARYG 173  
 Db 2 TSSMKIKVKGDTIKLUPADATVNAASDLTWGGVAGAARRAGEPELEEE--IKGG 57  
  
 Qy 174 KVSAGEIAVTGAGRUPCKQIHLAVGPRMWEWDKQGCTGKLUQRAIVSILNVVYKNTIK 233  
 Db 58 GVPTGEAVVTGPGNLPAKYVHAVGPRMWEWDKQGCTGKLUQRAIVSILNVVYKNTIK 115  
  
 Qy 234 VAIPALSGIFQFPNLCTKIVETVRSLOCKPMMNSNLKEIHLVSNEDPTVAFK 289  
 Db 116 VAFFAITSGGIVGFPKDRARLILEAIREFLTSHA---VKEVILVCLDEENREAYE 167  
  
 RESULT 12  
 Sequence 10, Application US/09882529  
 ; Patent No. US20020132317A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Peyman, John A  
 ; APPLICANT: da Silva, Antonio  
 ; APPLICANT: Hockman, Paula  
 ; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC  
 ; ACIDS ENCODING SAME  
 ; FILE REFERENCE: 15966-771  
 ; CURRENT APPLICATION NUMBER: US/09/882,529  
 ; CURRENT FILING DATE: 2001-09-12  
 ; PRIORITY APPLICATION NUMBER: 60/211,565  
 ; PRIORITY FILING DATE: 2000-06-15  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SEQ ID NO 10  
 ; LENGTH: 132  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-882-529-10  
  
 Query Match 4.9%; Score 215.5; DB 10; Length 132;  
 Best Local Similarity 41.4%; Pred. No. 1.4e-11;  
 Matches 53; Conservative 18; Mismatches 52; Indels 5; Gaps 3;  
 Qy 120 ISVWKDILTHAVDAVNAAEVDLUGGGGLALVKGAGFELQEQESKQVARYKVSAGE 179  
 Db 2 IKVVKGDTIKLUPADATVNAASDLTWGGVAGAARRAGE--ESKEFRKLAGECPVGT 59  
  
 Qy 234 VAIPALSGIFQFPNLCTKIVETVRSLOCKPMMNSNLKEIHLVSNEDPTVAFK 289  
 Db 116 VAFFAITSGGIVGFPKDRARLILEAIREFLTSHA---VKEVILVCLDEENREAYE 167  
  
 RESULT 11  
 Sequence 8, Application US/09882529  
 ; Patent No. US20020132317A1  
 ; GENERAL INFORMATION:  
 ; US-09-882-529-8  
 ; Sequence 8, Application US/09882529  
 ; Patent No. US20020132317A1  
 ; GENERAL INFORMATION:  
 ; US-09-882-529-13

RESULT 13 ; PRIORITY FILING DATE: 2002-03-05  
 US-09-882-529-16 ; NUMBER OF SEQ ID NOS: 455  
 ; Sequence 16, Application US/09882529  
 ; GENERAL INFORMATION:  
 ; PATENT NO. US20020132317A1 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; APPLICANT: Payman, John A ; SEQ ID NO: 244  
 ; APPLICANT: Hockman, Paula ; LENGTH: 325  
 ; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC  
 ; ACIDS ENCODING SAME  
 ; FILE REFERENCE: 15966-771  
 ; CURRENT APPLICATION NUMBER: US/09/882,529  
 ; CURRENT FILING DATE: 2001-09-12  
 ; PRIORITY APPLICATION NUMBER: 60/211,565  
 ; PRIORITY FILING DATE: 2000-06-15  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 16  
 ; LENGTH: 132  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-882-529-16

Query Match 4.8%; Score 215.5; DB 10; Length 132;  
 Best Local Similarity 41.4%; Pred. No. 1.4e-11; Matches 53; Conservative 53; Mismatches 18; Indels 5; Gaps 3; Gaps 3; Software: PatentIn Ver. 2.1; Length: 132; SEQ ID NO: 16; Organism: Homo sapiens

RESULT 14 ; PRIORITY FILING DATE: 2002-03-05  
 US-10-205-823-244 ; NUMBER OF SEQ ID NOS: 455  
 ; Sequence 244, Application US/10205823  
 ; GENERAL INFORMATION:  
 ; PATENT NO. US20030108963A1 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; APPLICANT: Schleef, Robert ; SEQ ID NO: 12  
 ; APPLICANT: Monahan, John E. ; LENGTH: 116  
 ; APPLICANT: Endge, Wilson O. ; TYPE: PRT  
 ; APPLICANT: Gannavarapu, Manjula ; ORGANISM: Homo sapiens  
 ; APPLICANT: Gorbatcheva, Bella ; US-09-882-529-12  
 ; APPLICANT: Hoersch, Sebastian ;  
 ; APPLICANT: Kamakar, Shubhangi  
 ; APPLICANT: Monsey, Angela M. ;  
 ; APPLICANT: Glatt, Katerin ;  
 ; APPLICANT: Zhao, Xumei ;  
 ; APPLICANT: Anderson, Dustin ;  
 ; APPLICANT: Anderson, Dustin ;  
 ; TITLE OF INVENTION: NOVEL GENES' COMPOSITIONS, KITS, AND  
 ; ASSESSMENT, PREVENTION, AND  
 ; THERAPY OF PROSTATE CANCER  
 ; FILE REFERENCE: MRI-044  
 ; CURRENT APPLICATION NUMBER: US/10/205,823  
 ; CURRENT FILING DATE: 2002-07-25  
 ; PRIORITY APPLICATION NUMBER: 60/307,982  
 ; PRIORITY FILING DATE: 2001-07-25  
 ; PRIORITY APPLICATION NUMBER: 60/314,356  
 ; PRIORITY FILING DATE: 2001-08-22  
 ; PRIORITY APPLICATION NUMBER: 60/325,020  
 ; PRIORITY FILING DATE: 2001-09-25  
 ; PRIORITY APPLICATION NUMBER: 60/341,746  
 ; PRIORITY FILING DATE: 2001-12-12  
 ; PRIORITY APPLICATION NUMBER: 60/362,158

Query Match 4.3%; Score 190; DB 15; Length 325;  
 Best Local Similarity 30.1%; Pred. No. 1.4e-08; Matches 44; Conservative 34; Mismatches 62; Indels 6; Gaps 2; Software: PatentIn Ver. 2.1; Length: 325; SEQ ID NO: 12; Organism: Homo sapiens

RESULT 15 ; PRIORITY FILING DATE: 2002-03-05  
 US-09-882-529-12 ; NUMBER OF SEQ ID NOS: 455  
 ; Sequence 12, Application US/09882529  
 ; GENERAL INFORMATION:  
 ; PATENT NO. US20020132317A1 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; APPLICANT: Payman, John A ; SEQ ID NO: 12  
 ; APPLICANT: Hockman, Paula ; LENGTH: 325  
 ; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC  
 ; ACIDS ENCODING SAME  
 ; FILE REFERENCE: 15966-771  
 ; CURRENT APPLICATION NUMBER: US/09/882,529  
 ; CURRENT FILING DATE: 2001-09-12  
 ; PRIORITY APPLICATION NUMBER: 60/211,565  
 ; PRIORITY FILING DATE: 2000-06-15  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SOFTWARE: PatentIn Ver. 2.1 ; SEQ ID NO: 12  
 ; LENGTH: 116  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

Query Match 4.0%; Score 179.5; DB 10; Length 116;  
 Best Local Similarity 37.2%; Pred. No. 2.2e-08; Matches 45; Conservative 23; Mismatches 48; Indels 5; Gaps 2; Software: PatentIn Ver. 2.1; Length: 116; SEQ ID NO: 12; Organism: Homo sapiens

RESULT 16 ; PRIORITY FILING DATE: 2002-03-05  
 US-09-882-529-16 ; NUMBER OF SEQ ID NOS: 455  
 ; Sequence 16, Application US/09882529  
 ; GENERAL INFORMATION:  
 ; PATENT NO. US20020132317A1 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; APPLICANT: Payman, John A ; SEQ ID NO: 16  
 ; APPLICANT: Hockman, Paula ; LENGTH: 325  
 ; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPAN PROTEIN AND NUCLEIC  
 ; ACIDS ENCODING SAME  
 ; FILE REFERENCE: 15966-771  
 ; CURRENT APPLICATION NUMBER: US/09/882,529  
 ; CURRENT FILING DATE: 2001-09-12  
 ; PRIORITY APPLICATION NUMBER: 60/211,565  
 ; PRIORITY FILING DATE: 2000-06-15  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SOFTWARE: PatentIn Ver. 2.1 ; SEQ ID NO: 16  
 ; LENGTH: 116  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

Query Match 4.0%; Score 179.5; DB 10; Length 116;  
 Best Local Similarity 37.2%; Pred. No. 2.2e-08; Matches 45; Conservative 23; Mismatches 48; Indels 5; Gaps 2; Software: PatentIn Ver. 2.1; Length: 116; SEQ ID NO: 16; Organism: Homo sapiens

Search completed: October 28, 2003, 15:10:15  
 Job time : 36 secs







RESULT 8  
 US-09-189-760-5  
 ; Sequence 5, Application US/09189760  
 ; Patent No. 603107B  
 ; GENERAL INFORMATION:  
 APPLICANT: Khodadoust, Mehran  
 TITLE OF INVENTION: NOVEL MTPX PROTEIN AND NUCLEIC ACID MOLECULES AND USES  
 FILE REFERENCE: MNI-046CP2  
 CURRENT APPLICATION NUMBER: US/09/189, 760  
 CURRENT FILING DATE: 1998-11-10  
 EARLIER APPLICATION NUMBER: 09/163, 116  
 EARLIER FILING DATE: 1998-09-29  
 EARLIER APPLICATION NUMBER: 60/089, 467  
 EARLIER FILING DATE: 1998-06-16  
 EARLIER APPLICATION NUMBER: (PENDING)  
 EARLIER FILING DATE: 1998-11-09  
 NUMBER OF SEQ ID NOS: 10  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 5  
 LENGTH: 1529  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE: CDS  
 NAME/KEY: CDS  
 LOCATION: (3)..(749)  
 US-09-189-760-5

Query Match 1.7%; Score 44; DB 3; Length 1529;  
 Best Local Similarity 48.3%; Pred. No. 0.017; Matches 113; Conservative 3; Mismatches 118; Indels 0; Gaps 0;  
 Matches 113; Conservative 3; Mismatches 118; Indels 0; Gaps 0;

QY 1334 TTTGTTGATGAACTTACATTTGCAAGACAGTTAAGTGA 1393  
 Db 873 TTTGTTGCAATTCTTAAGAAGTGCAAGCTTTCAGTTGCAAGTAACTGAA 932  
 QY 1394 AATTCTGATCTTCACAGATGGAGATATAAGGTTCAAGTCTGAAATGGCAA 1453  
 Db 933 CAAACCTAGATTTTTAAATTGATTAATGAGCTTAAAGTTTAATTGA 992  
 Db 934 AGAGGTCAGATGCTGAGTTGAAACATACAGTCTCCCGCAAGGAGAA 1513  
 Db 993 AGGATCCAGGTTCTGTTATCTTATGAGCTTATGGGAGACACTAAGMTCAAGAAGCAGG 1052  
 QY 1514 AAAGAGAAATGGTTGAGCTAGATCTCTGCCATCACTGAGTTAACCTTGTGATHTCA 1567  
 Db 1053 CTGTGACATTTGGTGCATAGATGAGTTAACCTTGTGATHTCA 1106

RESULT 10  
 US-09-514-422-5  
 ; Sequence 5, Application US/09514422  
 ; Patent No. 629113  
 ; GENERAL INFORMATION:  
 APPLICANT: Khodadoust, Mehran  
 TITLE OF INVENTION: NOVEL MTPX PROTEIN AND NUCLEIC ACID MOLECULES AND USES  
 FILE REFERENCE: MNI-046CP2  
 CURRENT APPLICATION NUMBER: US/09/514, 422  
 CURRENT FILING DATE: 2000-02-28  
 PRIOR APPLICATION NUMBER: US/09/189, 760  
 PRIOR FILING DATE: 1998-11-10  
 PRIOR APPLICATION NUMBER: 09/163, 116  
 PRIOR FILING DATE: 1998-09-29  
 PRIOR APPLICATION NUMBER: 60/089, 467  
 PRIOR FILING DATE: 1998-06-15  
 PRIOR APPLICATION NUMBER: (PENDING)  
 PRIOR FILING DATE: 1998-11-09  
 NUMBER OF SEQ ID NOS: 10  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 5  
 LENGTH: 1529  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE: CDS  
 NAME/KEY: CDS  
 LOCATION: (3)..(749)  
 US-09-514-422-5

Query Match 1.7%; Score 44; DB 3; Length 1529;  
 Best Local Similarity 48.3%; Pred. No. 0.017; Matches 113; Conservative 3; Mismatches 118; Indels 0; Gaps 0;  
 Matches 113; Conservative 3; Mismatches 118; Indels 0; Gaps 0;

QY 1334 TTTGTTGATGAACTTACATTTGCAAGACAGTTAAGTGA 1393  
 Db 873 TTTGTTGCAATTCTTAAGAAGTGCAAGCTTTCAGTTGCAAGTAACTGAA 932  
 QY 1394 AATTCTGATCTTCACAGATGGAGATATAAGGTTCAAGTCTGAAATGGCAA 1453  
 Db 933 CAAACCTAGATTTTTAAATTGATTAATGAGCTTAAAGTTTAATTGA 992  
 QY 1454 AGAGGTCAGATGCTGAGTTGAAACATACAGTCTCCCGCAAGGAGAA 1567  
 Db 993 AGGATCCAGGTTCTGTTATCTTATGAGCTTATGGGAGACACTAAGMTCAAGAAGCAGG 1052



US-09-620-312D-544

Query Match 1.5%; Score 38; DB 4; Length 1505;  
 Best Local Similarity 59.1%; Pred. No. 0.89; Matches 65; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 1692 GCCTCAGAACATTCAGTGTCTCCATCAGCAATTATCAGGCCAGAACAGAGTT 1751  
 Db 1062 GATTTGAAATTATAGTGGACACAGCAATTAATGGACCCATGAAAGGGCAGT 1121

QY 1752 AGAGATGAAAGAGCCGGGTGACCTCATGGGGTTTGAAATGTGAGATG 1801  
 Db 1122 RTTGGTGGAAAGCTCGGGAGTCCATGGTGTGTTAGGATCTGG 1171

RESULT 14

US-09-107-532A-2458/C

Sequence 2458 Application US/0910753A

Patent No. 6583275

GENERAL INFORMATION:

APPLICANT: Lynn A Doucette-Stamm and David Bush

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO

NUMBER OF SEQUENCES: 7310

ADDRESS: GENOME THERAPEUTICS CORPORATION

STREET: 100 Beaver Street

CITY: Waltham

STATE: Massachusetts

COUNTRY: USA

ZIP: 02354

COMPUTER READABLE FORM:

APPLICATION NUMBER: US/09/107.532A

COMPUTER: CD-ROM ISO9660

OPERATING SYSTEM: &lt;Unknown&gt;

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107.532A

FILING DATE: 30-Jun-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/085,598

FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571

FILING DATE: July 2, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Arinello, Pamela Deneka

REGISTRATION NUMBER: 40,489

REFERENCE/DOCKET NUMBER: GTC-012

TELECOMMUNICATION INFORMATION:

TELEPHONE: (781)893-2007

TELEFAX: (781)893-8277

INFORMATION FOR SEQ ID NO: 2458:

SEQUENCE CHARACTERISTICS:

LENGTH: 1535 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

FEATURE: misc\_feature

LOCATION: (B) LOCATION 1..1535

SEQUENCE DESCRIPTION: SEQ ID NO: 2458:

US-09-107-532A-2458

Db

967 ATATAGAGAAAAAGATTAGTGTGGGTGATAAAAGATGTTTAAATAGCTCAA 908

QY

1271 CCATTCTCTCTGCCCTGGACTGGAACATCGAAATAGGAAAGAACAGGAGCAG 1330

Db

907 ATGATCTCTTTTTATTGATCAGCAGAAATTCTCAGTACCTGCTGATGATAGATAG 848

QY

1331 AGATTTGTTGAGATTAACTGTCAGGCCAAAGAACCTGTAAACACCGATTAATG 1390

Db

847 TAATTGCTACATAAAATTGACACTGTGACATCATGAAATAGTTAGAATAATC 788

QY

1391 TAAATTGCTCTTCCA 1411  
787 CTACAGTGTAAATTACAA 767

RESULT 15

US-09-072-281-1/C

Sequence 1, Application US/08072281

Patent No. 5495071

GENERAL INFORMATION:

APPLICANT: Fischhoff, David A.

APPLICANT: Fuchs, Roy L.

APPLICANT: Lavin, Paul B.

APPLICANT: McHerron, Sylvia A.

APPLICANT: Peikak, Frederick J.

TITLE OF INVENTION: Insect Resistant Plants

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lawrence M. Lavin, Jr., Monsanto Co., BB4F

STREET: 700 Chesterfield Parkway No. 5495071th

CITY: St. Louis

STATE: Missouri

COUNTRY: United States of America

ZIP: 63198

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

SOFTWARE: Patientin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/072,281

FILING DATE: 19930604

CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/523284

FILING DATE: 14-MAY-1990

ATTORNEY/AGENT INFORMATION:

NAME: Lavin Jr., Lawrence M.

REGISTRATION NUMBER: 30,768

REFERENCE/DOCKET NUMBER: 38-21 (10629)A

TELECOMMUNICATION INFORMATION:

TELEPHONE: (314) 537-7286

TELEFAX: (314) 537-6047

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 2615 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE: CDS

LOCATION: 205..2139

US-09-620-312D-544

Query Match 1.4%; Score 37; DB 1; Length 2615;

Best Local Similarity 54.9%; Pred. No. 2.3; Matches 73; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 1303 ATGGAAATAAGGAACAGCAGCAGAGATTGTTGATGAAATTGATTGCC 1362

Db 2553 ATGCACCACTCATATAAGAATAAGATCTGTCATTACCGAATCAATGGAC 2494

QY

Query Match 1.5%; Score 37.8; DB 4; Length 1536;

Best Local Similarity 49.3%; Pred. No. 1; Matches 99; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 1211 AGATATTAACATGCHATGAGGAGTTGGAAATATGATTGAGCAAATAACTT 1270

QY 1363 AAAGACCATGAAACACCGTTAACGTAAATTGTGATCTTCCACAGATTGGAG 1422  
Db 2493 ATTAATCCTCATGGAAACACAGCTCTGTATAAAATTGTGATTCTAACGCCTGTAGAG 2434  
QY 1423 ATATATAAGGCTT 1435  
Db 2433 CTATAGAACGTT 2421

Search completed: October 27, 2003, 15:14:12  
Job time : 225 secs

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GenCore version 5.1.6  
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(without alignments)  
7943.091 Million cell updates/sec

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Perfect score: 2562  
Sequence: 1 atggactttccatgtggc.....caatggcagccctgttgtat 2562

Scoring table: IDENTITY\_NUC  
Gapext 1.0

Searched: 1792355 seqs, 134090451 residues

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Maximum DB seq length: 2000000000

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Maximum Match 10%  
Listing First 45 summaries

Database : Published Applications\_NA:\*

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3: /cgn2\_6/ptodata/1/pubnra/US06\_NEW\_PUB.seq:/\*  
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RESULT 1  
US-09-882-529-1  
; Sequence 1, Application US/09882529  
; Patent No. US20020132317A1  
; GENERAL INFORMATION:  
; APPLICANT: Peyman, John A  
; APPLICANT: da Silva, Antonio  
; APPLICANT: Hockman, Paula  
; TITLE OF INVENTION: NOVEL INTERFERON-INDUCED TETRASPA<sup>N</sup> PROTEIN AND NUCLEIC  
; FILE OF INVENTION: ACIDS ENCODING SAME  
; FILE REFERENCE: 15966-771  
; CURRENT APPLICATION NUMBER: US/09-882,529  
; CURRENT FILING DATE: 2001-09-12  
; PRIOR APPLICATION NUMBER: 60/211,565  
; PRIOR FILING DATE: 2000-06-15  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 3016  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; POSITION: (123) .. (2579)  
US-09-882-529-1

ALIGNMENTS

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description	
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2	792	30.9	854	12	US-09-814-353-2038	Sequence 20338, A	
3	792	30.9	854	14	US-10-194-845-11040	Sequence 11020, A	
4	588.6	23.0	820	12	US-09-814-353-20362	Sequence 20362, A	
5	425.6	16.6	482	11	US-09-918-995-35525	Sequence 35525, A	
6	419.1	16.4	420	11	US-09-918-995-36435	Sequence 36432, A	
c	7	416.8	16.3	985	12	US-09-814-353-21765	Sequence 21765, A
8	384	15.0	428	12	US-09-814-353-2187	Sequence 2187, AP	
9	384	15.0	428	12	US-09-814-353-2187	Sequence 8528, AP	
10	384	15.0	519	12	US-09-814-353-14912	Sequence 14912, A	
11	379.4	14.8	447	14	US-10-198-846-17767	Sequence 1770, AP	
12	346.8	13.5	350	14	US-10-060-036-1467	Sequence 1467, AP	
13	322.4	12.7	588	12	US-09-814-353-16939	Sequence 16893, A	
14	316.2	12.3	430	12	US-09-814-353-16914	Sequence 16914, A	
15	303.6	11.9	359	12	US-09-814-353-10330	Sequence 10530, A	
16	303.6	11.9	359	12	US-09-814-353-10330	Sequence 10530, A	

288	TGTATCTCPACCCCTGGTCCTCCAGTTCTGGAAAGGCAACAAACAAATCTCTGCAAGTGTTC	347	Db
331	AGAAAATGCTGACTCTTACGGATAGAGTTACAGTCTGGAAAGGATGACCTCACCACAT	390	Qy
348	AGAAAATGGTGAATGCTCTAGATAGAGTTACAGTCTGGAAAGATGACCTCACCACAT	407	Db
391	GCTGTGATCTGCTGGTGAATGCAAGCCAAATGAAAGATCTCTGCAATGGGAGGCTGGCC	450	Qy
408	GCTGTGATCTGCTGGTGAATGCAACCCAAATGAAAGATCTCTGCAAGGGAGCTGGCC	467	Db
511	AGATATGGTAAGTGTCAGGCTGGTCAAGATACTGTCACGGGAGGGGGCTCCCTEC	570	Qy
528	AGATATGGTAAGTGTCAGGCTGGTCAAGATACTGTCACGGGAGGGGGCTCCCTEC	587	Qy
571	AAACAGATCATTCATGCTCTGGGCTCTGGATGGATAAAACAGGGATGTACT	630	Db
588	AAACAGATCATTCATGCTGGGATTTGAATCCAAAGAGGCAAAAGGTGACT	647	Db
631	GGAAAGCTGAGGGCCATTTGAGTACTGTCACGGGAGGGGGCTCCCTEC	690	Db
648	GGAAAGCTGAGGGCCATTTGAGTACTGTCACGGGAGGGGGCTCCCTEC	707	Qy
691	ATTAGACACTAGCAATTCCAGGCTTGTGAGTTCTGGATTCTGGATTTCTGCAATTG	750	Db
708	ATTAGACACTAGCAATTCCAGGCTTGTGAGTTCTGGATTCTGGATTTCTGCAATTG	767	Qy
751	TGTACAAAGCTATGTAGAGACTATCCGGTTAGTTGCAAGGGAAGCCTATGAGT	810	Db
768	TGTACAAAGCTATGTAGAGACTATCCGGTTAGTTGCAAGGGAAGCCTATGAGT	827	Qy
811	AATTGAAAGAAATTCACTGGTGTGAGCAATGCACTGGGACCTACTGTTAAAGCT	870	Db
828	AATTGAAAGAAATTCACTGGTGTGAGCAATGCACTGGGACCTACTGTTAAAGCT	887	Qy
871	GCTTCAAGAAATTCACTGCAAGGAGTGTGACTCTGGGACAGCAAAACCCCTCTTCAAT	930	Db
888	GCTTCAAGAAATTCACTGCAAGGAGTGTGACTCTGGGACAGCAAAACCCCTCTTCAAT	947	Qy
931	GCAATGGTCTGAAACAACCTGACCCCTCCAGATTGTCAGGCCACATTCAATGGCAGG	990	Db
948	GCAATGGTCTGAAACAACCTGACCCCTCCAGATTGTCAGGCCACATTCAATGGCAGG	1007	Qy
991	GCAGATGTAAATTGTTAACTCCACATGATACTGTTGCAAGGAACTCTGGTAATAT	1050	Db
1008	GCAGATGTAAATTGTTAACTCCACATGATACTGTTGCAAGGAACTCTGGTAATAT	1067	Qy
1051	TCAATTCTACACAGCAGGAGTGTGAAATCTGGAAATTCTGGCAACAAAGGCTAAA	1110	Db
1068	TCAATTCTACACAGCAGGAGTGTGAAATCTGGAAATTCTGGAAATGGAAATTCTGGCAACAAAGGCTAAA	1127	Qy
1111	CAGTTCAAGCTTCCCAAGTTCTGGTACTGGTACACAAAGGTTAACTTGTGTAATAT	1170	Db
1128	CAGTTCAAGCTTCCCAAGTTCTGGTACTGGTACACAAAGGTTAACTTGTGTAATAT	1187	Qy
1171	ATATACCATCTACTGTGGCAATTCTGGTAACTCTGGTAACTTACATGCAATG	1230	Db
1188	ATATACCATCTACTGTGGCAATTCTGGTAACTCTGGTAACTTACATGCAATG	1247	Qy
1231	AAGGAGTGTGGAAAAAATGCTGAGCAAATAACTCTCCATTCTGGCCCTT	1290	Db
1248	AAGGAGTGTGGAAAAAATGCTGAGCAAATGCTGAGCAAATAACTCTCCATTCTGGCCCTT	1307	Qy
1291	GGGACTGGAAACATGGAAATTAAGAGGAAACACGGCAAGATTGGTTGTGAAGTT	1350	Db
1308	GGGACTGGAAACATGGAAATTAAGAGGAAACACGGCAAGATTGGTTGTGAAGTT	1367	Qy
1351	TTAACATTTGCCAAAGGACCATGTTAAACACCGTTAAATTTGGATTAACCTGTTCCA	1410	Db

Qy 2491 TACTCATCAGGACCAATAGACCCTTTGGACAGATCCTTGGAGGGGATTCGAAAGTGGC 2550  
 Db 2508 TACTCATCAGGACCAATAGACCCTTTGGACAGATCCTTGGAGGGGATTCGAAAGTGGC 2567  
 Qy 2551 AGCCCTGTGAT 2562  
 Db 2568 AGCCCTGTGAT 2579

RESULT 2  
 US-09-814-353-20338  
 ; Sequence 20338, Application US/09814353  
 ; Publication No. US20030165831A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lee, John  
 ; APPLICANT: Thompson, Pamela  
 ; APPLICANT: Lillie, James  
 ; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
 ; IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
 ; TREATMENT OF OVARIAN CANCER  
 ; FILE REFERENCE: MRI-006B  
 ; CURRENT APPLICATION NUMBER: US/09/814,353  
 ; CURRENT FILING DATE: 2001-03-21  
 ; PRIOR APPLICATION NUMBER: US 60/191,031  
 ; PRIOR FILING DATE: 2000-03-21  
 ; PRIOR APPLICATION NUMBER: US 60/207,124  
 ; PRIOR FILING DATE: 2000-05-25  
 ; PRIOR APPLICATION NUMBER: US 60/211,940  
 ; PRIOR FILING DATE: 2000-06-15  
 ; PRIOR APPLICATION NUMBER: US 60/216,820  
 ; PRIOR FILING DATE: 2000-07-07  
 ; PRIOR APPLICATION NUMBER: US 60/220,661  
 ; PRIOR FILING DATE: 2000-12-21  
 ; NUMBER OF SEQ ID NOS: 22037  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 20338  
 ; LENGTH: 854  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: 854  
 ; OTHER INFORMATION: n = A,T,C or G

US-09-814-353-20338

Query Match 30.9%; Score 792; DB 12; Length 854;  
 Best Local Similarity 98.2%; Pred. No. 1.6e-221; Indels 5; Gaps 2;  
 Matches 823; Conservative 0; Mismatches 10;

Qy 670 GTCATCTATAAAATACTACATTAAGACAGTCAATTCCACGCTTGAAGCTCTGGATT 729  
 Db 20 GTCATCTATAAAATACTACATTAAGACAGTCAATTCCACGCTTGAAGCTCGCGG-- 76

Qy 730 TTTCAGTTCCCTCCTGAAATTGTGTACAAAGACTATTGTAGAGACTATCGGGTTAGTTG 789  
 Db 77 -GAGCGTGGTGTGAATTGTGTACAAAGACTATTGTAGAGACTATCGGGTTAGTTG 135

Qy 790 CAAGCGGAAGCCAATGATGAGTAATTGTGAAGAAATTCACTGTGAGGAATGAGGAACCT 849  
 Db 136 CAAGCGGAAGCCAATGATGAGTAATTGTGAAGAAATTCACTGTGAGGAATGAGGAACCT 195

Qy 850 ACTGTTGCTGCCCTTAAGACTGCTTCAGAATTCATCCAGGGAGGAGCTGGCAGAA 909  
 Db 196 ACTGTTGCTGCCCTTAAGACTGCTTCAGAATTCATCCAGGGAGGAGCTGGCAGAA 255

Qy 910 GAAACCAACCCCTTCATGCAATGCTGAGAACCTGCACCTGAGCTGGATT 729  
 Db 256 GAAACCAACCCCTTCATGCAATGCTGAGAACCTGCACCTGAGCTGGCAG 315

Qy 970 GGCCACATGAAATGGCAGGGCAGATGTAATTGTAAATTGTAAATGCAATGATT 1029

Db 316 GGCACATGAAATGGCAGACGGCAGATGTAATTGTAAATGCAATGATT 375  
 Qy 1030 ACAGTTGGACCTGTCGAAAGTCATCTACACAGCAGGTTGAATGAAATCGGAA 1089  
 Db 376 ACAGTTGGACCTGTCGAAAGTCATCTACACAGCAGGTTGAATGAAATCGGAA 435  
 Qy 1090 TTTCCTGGCACAAGGGTAAACAGTTCAACGGTCCAGTTGACTGGTCAACAAAGGA 1149  
 Db 436 TTTCCTGGCACAAGGGTAAACAGTTCAACGGTCCAGTTGACTGGTCAACAAAGGA 495  
 Qy 1150 TTAACTTGTCTGTAAATATACATGTACTGTGCAATTGAGAATTCTCTAACCT 1209  
 Db 496 TTAACTTGTCTGTAAATATACATGTACTGTGCAATTGAGAATTCTCTAACCT 555  
 Qy 1210 CAGATTAATAAACATGCAATGAGGACTGTTGGAAAATGCAATTGCAAAATATACT 1269  
 Db 556 CAGATTAATAAACATGCAATGAGGACTGTTGGAAAATGCAATTGCAAAATATACT 615  
 Qy 1270 TCCATTTCCTTCTGCCCCTGGACTGGAAACATGGAAATAAGGAAACAGCAGCA 1329  
 Db 616 TCCATTTCCTTCTGCCCCTGGACTGGAAACATGGAAATAAGGAAACAGCAGCA 675  
 Qy 1330 GAGA-TTTGGTTGATGAAAGTTAACATTGCAAAAGCCATTGTAACACCCGTTAAC 1388  
 Db 676 GAGATTGTTGGTGTGAAATTGCAAAAGCCATTGCAAAAGCCATTGTAACACCCGTTAAC 735  
 Qy 1389 TCTAAATTGTCGATCTTCCAAACAGATTGGAGATAATAAGGCTTCACTGTTGAAT 1448  
 Db 736 TGTAAAATTGTCGATCTTCCAAACAGATTGGAGATAATAAGGCTTCACTGTTGAAT 795  
 Qy 1449 GCGAAAGGGTCCAGATGCTGAGTTGAACTTACAGTGTCCCAGTCAACACAGA 1506  
 Db 796 GCGAAAGGGTCCAGATGCTGAGTTGAACTTACAGTGTCCCAGTCAACACAGA 853

RESULT 3  
 US-10-19-846-11020  
 ; Sequence 11020, Application US/1019846  
 ; Publication No. US20030099974A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lillie, James  
 ; APPLICANT: Xu, Yongyao  
 ; APPLICANT: Wang, Youzhen  
 ; APPLICANT: Steimann, Kathleen  
 ; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS  
 ; FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND METHODS  
 ; FOR THERAPY OF BREAST CANCER  
 ; FILE REFERENCE: MRI-049  
 ; CURRENT APPLICATION NUMBER: US/10/198,846  
 ; PRIORITY APPLICATION NUMBER: 10/306,220  
 ; PRIORITY FILING DATE: 2000-07-18  
 ; NUMBER OF SEQ ID NOS: 14084  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 11020  
 ; LENGTH: 854  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: 854  
 ; OTHER INFORMATION: n = A,T,C or G

US-10-19-846-11020

Query Match 30.9%; Score 792; DB 14; Length 854;  
 Best Local Similarity 98.2%; Pred. No. 1.6e-221; Indels 5; Gaps 2;

Qy 670 GTCATCTATAAAATACTACATTAAGACAGTCAATTCCACGCTTGAAGCTCTGGATT 729  
 Db 20 GTCATCTATAAAATACTACATTAAGACAGTCAATTCCACGCTTGAAGCTCGCGG-- 76

Qy 730 TTTCAGTTCCCTCCTGAAATTGTGTACAAAGACTATTGTAGAGACTATCGGGTTAGTTG 789  
 Db 77 -GAGCGTGGTGTGAATTGTGTACAAAGACTATTGTAGAGACTATCGGGTTAGTTG 135

Qy 790 CAAGCGGAAGCCAATGATGAGTAATTGTGAAGAAATTCACTGTGAGGAACCT 849  
 Db 136 CAAGCGGAAGCCAATGATGAGTAATTGTGAAGAAATTCACTGTGAGGAATGAGGAACCT 195

Qy 850 ACTGTTGCTGCCCTTAAGACTGCTTCAGAATTCATCCAGGGAGGAGCTGGCAGAA 909  
 Db 196 ACTGTTGCTGCCCTTAAGACTGCTTCAGAATTCATCCAGGGAGGAGCTGGCAGAA 255

Qy 910 GAAACCAACCCCTTCATGCAATGCTGAGAACCTGCACCTGAGCTGGATT 729  
 Db 256 GAAACCAACCCCTTCATGCAATGCTGAGAACCTGCACCTGAGCTGGCAG 315

Qy 970 GGCCACATGAAATGGCAGGGCAGATGTAATTGTAAATTGTAAATGCAATGATT 1029

RESULT 4  
 US-09-814-353-20362  
 ; Sequence 20362, Application US/09814353  
 ; Publication No. US20030165811A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lee, John  
 ; APPLICANT: Thompson, Pamela  
 ; APPLICANT: Lillie, James  
 ; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
 ; IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
 ; TREATMENT OF OVARIAN CANCER  
 ; FILE REFERENCE: MRI-006B  
 ; CURRENT APPLICATION NUMBER: US/09/814,353  
 ; CURRENT FILING DATE: 2001-03-21  
 ; PRIORITY NUMBER: US 60/191,031  
 ; PRIORITY FILING DATE: 2000-03-21  
 ; PRIORITY APPLICATION NUMBER: US 60/207,124  
 ; PRIORITY FILING DATE: 2000-05-25  
 ; PRIORITY APPLICATION NUMBER: US 60/211,940  
 ; PRIORITY FILING DATE: 2000-06-15

RESULT 5  
 US-09-918-995-35525  
 ; Sequence 35525, Application US/09918995  
 ; Publication No. US20030073623A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hyseq, Inc.

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Qy 730 TTTCAGTCCCTCTGAATAAAGACTATGGAGACTATCCGGTTAGTTG 789  
 Db 77 -GAGCCCTGGCTGATTTGCTGATTTGCTGAAAGACTATCCGGTTAGTTG 135  
 Qy 790 CAAGGGAAAGCCATTGATGATGAAATTCACTGGTGAATGAGAACCT 849  
 Db 136 CAAGGGAAAGCCATTGATGATGAAATTCACTGGTGAATGAGAACCT 195  
 Qy 950 ACTGTTGCTGCTTAAAGCTGCTTCAAGAATTCATCTAGGGAGCTGGACAA 909  
 Db 196 ACTGTTGCTGCTTAAAGCTGCTTCAAGAATTCATCTAGGGAGCTGGACAA 255  
 Qy 910 GAAACCACCCCTCTTCATGCAATGGTCGAAACCTGACCCCTCAGATTCAG 969  
 Db 256 GAAACCACCCCTCTTCATGCAATGGTCGAAACCTGACCCCTCAGATTCAG 315  
 Qy 970 GCCCCATGTAATGGCAGACGGCAGATGTTAATTCTGTAAACCCACATGATATT 1029  
 Db 316 GCCCCATGTAATGGCAGACGGCAGATGTTAATTCTGTAAACCCACATGATATT 375  
 Qy 1030 ACAGTTGACCTGGCAAACTCAAACTGAGGAGTCAAAATGGAA 1089  
 Db 376 ACAGTTGACCTGGCAAACTCAAACTGAGGAGTCAAAATGGAA 435  
 Qy 1090 TTTCCTGCAACAAGGTTAACAGTTCAACGGTCCCAAGTTGGTACTGTGTCACAAAGGA 1149  
 Db 436 TTTCCTGCAACAAGGTTAACAGTTCAACGGTCCCAAGTTGGTACTGTGTCACAAAGGA 495  
 Qy 1150 TTAACTTGTCTGTAAATATATACCATGTACTGTGCAATTCTAAACCT 1209  
 Db 496 TTAACTTGTCTGTAAATATATACCATGTACTGTGCAATTCTAAACCT 555  
 Qy 1210 CAGATTTAAACATGGAAATGAGGAGTTGGAAAATCATGGAAAATAACT 1269  
 Db 556 CAGATTTAAACATGGAAATGAGGAGTTGGAAAATCATGGAAAATAACT 615  
 Qy 1270 TCCATTCTCTCTGGCTGGACTGGAAACATGGAAATAAGAGGAAACAGCGA 1329  
 Db 616 TCCATTCTCTCTGGCTGGACTGGAAACATGGAAATAAGAGGAAACAGCGA 675  
 Qy 1330 GAGA-TTTGTGTTGATGAAAGTTAACATTTGCCAAAGGACCATGTAAC 1388  
 Db 676 GAGATTTGTGTTGATGAAAGTTAACATTTGCCAAAGGACCATGTAAC 735  
 Qy 1389 TGTAAATTCTGATCTTCCAAACAGATTGGAGATAATAAGGCTTTCAGTTCTGAAAT 1448  
 Db 736 TGTAAATTCTGATCTTCCAAACAGATTGGAGATAAGGCTTTCAGTTCTGAAAT 795  
 Qy 1449 GGCAAGGAAGGCCAAAGATGCTGAGTTGGAAACATACGGTCCCCGAAACAGGA 1506  
 Db 796 GGCAAGGAAGGCCAAAGATGCTGAGTTGGAAACATACGGTCCCCGAAACAGGA 853  
 Qy 151 TCAGGAGACTGCTGGCTCTGGAGAAACTATGGCAATTCCATTAAACATGAC 210  
 Db 198 TCAGGAGCTGGCTCTGGAGAAACTATGGCAATTCCATTAAACATGAC 257  
 Qy 211 TTCAAAATTTAAAAATAATGAGGCTAGCTGCTGAAAGTCTTCAGAGATAAGTTGGC 270  
 Db 258 TTCAAAATTTAAAAATAATGAGGCTAGCTGCTGAAAGTCTTCAGAGATAACTTTGGC 317  
 Qy 271 TGTATCTTACCCCTCTCCAGTTCAAGAAGCAACAGCAATACTCTGCAAGTGTTC 330  
 Db 318 TGTATCTTACCCCTCTCCAGTTCAAGAAGCAACAGCAATACTCTGCAAGTGTTC 377  
 Qy 331 AGAAAATGCTGACTCCATTAGATAAGGTTACACTCTGAAAGATGACCTCAGCAACAT 390  
 Db 378 AGAAAATGCTGACTCCATTAGATAAGGTTACACTCTGAAAGATGACCTCAGCAACAT 437  
 Qy 391 GCTCTTGATGCTGNGTGAATGCAAGGCAATGAAATCTCTGCAATGGGGAGGGCTGGC 450  
 Db 438 GCTGTTGATGCTGTTGATGCAAGGCAATGAAATCTCTGCAATGGGGAGGGCTGGC 497  
 Qy 451 CTGGCCCTGTAAGACTGTGGATTTGAAATCAAGAGAGGAAACAGTTGTTGC 510  
 Db 498 CTGGCCCTGTAAGACTGTGGATTTGAAATCAAGAGAGGAAACAGTTGTTGC 557  
 Qy 511 AGATGGTAAAGCTGCTCAGCTGGTGAATGCTCTCACTGGAGGGCTCCCTGC 570  
 Db 558 AGATGGTAAAGCTGCTCAGCTGGTGAATGCTCTCACTGGAGGGCTCCCTGC 617  
 Qy 571 AAACAGATCATCCATGCTGCTGGCTGGATGGAAATGGGATAAAACAGGGATGTTACT 630  
 Db 618 AAACAGATCATCCATGCTGCTGGCTGGATGGAAATGGGATAAAACAGGGATGTTACT 677  
 Qy 631 GGAAAGCTGCAAGGGCCATTGTAAGTATTCTGATATTCTGATATAAAATACTAC 690  
 Db 678 TGGGGCGAGAG-SCGCCATTGAGATCCGGAAATGGCTCATATAAAATACTAC 736  
 Qy 691 ATTAGACAGTAACTGAAATTCCAGCTCTGGATTTCACTGGTCCCTGAAATTG 750  
 Db 737 ATTAGACAGTAACTGAAATTCCAGCTCTGGTCCCTGAAATTG 796  
 Qy 751 TGTAGAAAAGACTATTGTAGAGAC 773  
 Db 797 TGTACAAAAGACTATTGTAGAGAC 819

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; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 35525
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1) .. (482)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-35525

Query Match Score 425.6; DB 11; Length 482
Best Local Similarity 99.1%; Pred. No. 4.7e-11
Matches 428; Conservative 0; Mismatches 4; Indels 1

Qy 1791 TATGAAATGARGATATGCTTGTAAAGTACAGGGAAATGGCA
Db 51 TCTGACATGAAAGATATGCTTGTAAAGTACAGGGAAATGGCA

Qy 1851 AGGCCTTGGGCTGGTGTAGACAGTGGACTATTGCAACAAAAA
Db 111 AGGCCTTGGGCTGGTGTAGACAGTGGACTATTGCAACAAAAA

Qy 1911 GAAAGAAAATATCATATTCTGAATATGCTCTGAGGTCTAAAGCTGAG
Db 171 GAAAGAAAATATCATATTCTGAATATGCTCTGAGGTCTAAAGCTGAG

Qy 1971 AANGAAGCTTTGAAATAATGCTGTTGAGGTCTAAAGCTGAG
Db 231 AAGGAACAGCTTGGAAATAATGCTGTTGAGGTCTAAAGCTGAG

Qy 2031 GGTCTCTATGGCTGCTTTCAAGAAAGAGAAAATGTTGAGAAAT
Db 291 GGTCTCTATGGCTGCTTTCAAGAAAGAGAAAATGTTGAGAAAT

Qy 2091 ACCTGTGAGCCATAGCCTGTTCAACAGTCCCATACCAAGTCTGCT
Db 351 ACCTGTGAGCCATAGCCTGTTCAACAGTCCCATACCAAGTCTGCT

Qy 2151 AGTTGGCTTCAAGATGTACTCCACCTGGATCCAAATAACCC
Db 411 AGTTGGCTTCAAGATGTACTCCACCTGGATCCAAATAACCC

Qy 2211 CTTCACCAAGA 2.22
Db 471 CTTCACCAAGA 4.92

RESULT 6
US-09-918-995-36432
; Sequence 36432, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: HYSEQ, INC.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 36432
; LENGTH: 420

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FEATURE: misc\_feature  
 NAME/KEY: misc\_feature  
 LOCATION: 1 OTHER INFORMATION: n = A,T,C or G  
 US-09-814-353-21765

Query Match Similarity 16.3%; Score 416.8; DB 12; Length 985;  
 Best Local Similarity 97.1%; Pred. No. 3e-111;  
 Matches 435; Conservative 0; Mismatches 12; Indels 1; Gaps 1;

Qy 1430 AGGCTTCAGTCTGAAATGGCCAAGAGTCCCAAGATGCTGAGTTGAAATTACAGTG 1489  
 Db 514 AGGCTTCAGTCTGAAATGGCCAAGATGCTGAGTTGAAATTACAGTG 455  
 Qy 1490 TCCCCCAGTCAACCAAGGAGAAAGAGAAATTGGCTGAACTAGTCTGCCA 1549  
 Db 454 TCCCCCAGTCAACCAAGGAGAAAGAGAAATTGGCTGAACTGTTGCCG 395  
 Qy 1550 TCAATCTGATGGATTCACTGGAGAGATGTATGGCCACCGATGATCCAAGAA 1609  
 Db 394 TCAATCTGATGGATTCACTGGAGAGATGTATGGCCACCGATGATCCAAGAA 335  
 Qy 1610 TCCTGAGCTCTCGAAACCACATCATGAAATAATCATATTCTGTAACCTGGAGAA 1669  
 Db 334 TCCTGAGCTCTCGAAACCACATCATGAAATAATCATATTCTGTAACCTGGAGAA 275  
 Qy 1670 AGGAACATGACATTTCGAGCTCAGCTCAGAAACACTCAAGTCTCCCATCACAGAAATA 1729  
 Db 274 AGGAACATGACATTTCGAGCTCAGCTCAGAAAGCTCAAGTCTCCATCACAGAAATA 215  
 Qy 1730 TCAGCCAAGGAGACAGGTTAGAGTGAAGGACCCGGCTGACCTATGGGTGG 1789  
 Db 214 TCAGCCAAGGAGACAGGTTAGAGTGAAGGACCCGGCTGACCTATGGGTGG 155  
 Qy 1790 TTATGAACTTCAAGATATGCTTGTAAAGTACAGGAGAAATGGC-AAGGAAAGGAG 1848  
 Db 154 TTATGAACTTCAAGATATGCTTGTAAAGTACAGGAGAAATGGGAGGATAAGGAG 95  
 Qy 1849 CGAGGCCCTTGGCTCGCTTGGACAGT 1876  
 Db 94 CGAGGCCCTAAGCGCTCGTTGGACT 67

RESULT 9  
 US-09-814-353-8528 ; Sequence 8528, Application US/09814353  
 ; Publication No. US20030165831A1 ; GENERAL INFORMATION:  
 ; APPLICANT: Lee, John ; APPLICANT: Thompson, Pamela  
 ; APPLICANT: Lillie, James ; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
 ; APPLICANT: Lee, John ; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
 ; APPLICANT: Lillie, James ; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER  
 ; FILE REFERENCE: MRI-006B ; FILE REFERENCE: MRI-006B  
 ; CURRENT APPLICATION NUMBER: US/09/814-353 ; CURRENT FILING DATE: 2000-03-21  
 ; PRIOR APPLICATION NUMBER: US 60/191,031 ; PRIOR FILING DATE: 2000-03-21  
 ; PRIOR APPLICATION NUMBER: US 60/191,031 ; PRIOR FILING DATE: 2000-03-21  
 ; PRIOR APPLICATION NUMBER: US 60/207,124 ; PRIOR FILING DATE: 2000-05-25  
 ; PRIOR APPLICATION NUMBER: US 60/211,940 ; PRIOR FILING DATE: 2000-06-15  
 ; PRIOR APPLICATION NUMBER: US 60/216,820 ; PRIOR FILING DATE: 2000-07-07  
 ; PRIOR APPLICATION NUMBER: US 60/220,661 ; SEQ ID NO: 8528  
 ; PRIOR APPLICATION NUMBER: US 60/257,672 ; LENGTH: 428  
 ; PRIOR APPLICATION NUMBER: US 60/257,672 ; TYPE: DNA  
 ; PRIOR FILING DATE: 2000-12-21 ; ORGANISM: Homo sapiens  
 ; NUMBER OF SEQ ID NOS: 22037 ; SEQ ID NO: 814-353-8528  
 ; SOFTWARE: FastSEQ for Windows Version 4.0 ; NUMBER OF SEQ ID NOS: 22037  
 ; LENGTH: 428 ; SEQ ID NO: 2187 ; Query Match Similarity 15.0%; Score 384; DB 12; Length 428;  
 ; Best Local Similarity 100.0%; Pred. No. 7.2e-102; Gaps 0;

Matches 384; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Qy 752 GTACAAAGACTATTGTAGAGACTATCCGGTTAGGGAAAGCCAATGATGACTA 811 Db 25 GTACAAAGACTATTGTAGACTATCCGGTTAGGGAAAGCCAATGATGACTA 84 Qy 812 ATTGAAAGAAATTACCTGGTGAAGACTATCCGGTTAGGGAAAGCCAATGATGACTA 871 Db 85 ATTGAAAGAAATTACCTGGTGAAGACTATCCGGTTAGGGAAAGCCAATGATGACTA 144 Qy 872 CTTCAGAATTCACTCTAGGGAGAGTAGCTGGCAAGAACCCCTTCTTCATG 931 Db 145 CTTCAGAATTCACTCTAGGGTGAAGACTATCCGGTTAGGGAAAGCCAATGATGACTA 231 Db 932 CAATGGTGTGAACAACTGACCCCTCCAGATGGCAGGGCACATGAATGGCAGCGG 991 Qy 992 CAGATGTAATTGTTAACTCTGTAAACCACATGATAATTACAGTGGACCTCTGGCAAGT 1051 Db 292 CAGATGTAATTGTTAACTCTGTAAACCACATGATAATTACAGTGGACCTCTGGCAAGT 351 Db 205 CAATGGTGTGAACAACTGACCCCTCCAGATGGCAGCGG 264 Qy 1052 CAATCTPACAAAGCAGGAGGTGAATTGAAATCGGATTCTTGCACAGGCTAAAC 1111 Db 352 CAATCTPACAAAGCAGGAGGTGAATTGAAATCGGATTCTTGCACAGGCTAAAC 411 Qy 1052 CAATTCTACAACAGCAGGAGGTGAATTGAAATCGGAAATTCTTGCACAGGCTAAAC 1111 Db 265 CAGATGTAATTGTTAAACCACATGATAATTACAGTGGACCTCTGGCAAGT 324 Qy 1112 AGTTCAACGGTCCAGTGGTAC 1135 Db 412 AGTTCAACGGTCCAGTGGTAC 435

RESULT 11  
US-10-198-846-1770  
Sequence 1770, Application US/10198846  
; Publication No. US2003009974A1  
; GENERAL INFORMATION:  
; APPLICANT: Lillie, James  
; APPLICANT: Xu, Yongyao  
; APPLICANT: Wang, Youzhen  
; APPLICANT: Steimann, Kathleen  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS  
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; TITLE OF INVENTION: THERAPY OF BREAST CANCER  
; FILE REFERENCE: MRI-049  
; CURRENT APPLICATION NUMBER: US/10/198-846  
; CURRENT FILING DATE: 2002-07-18  
; PRIOR APPLICATION NUMBER: 60/306,220  
; PRIOR FILING DATE: 2001-07-18  
; NUMBER OF SEQ ID NOS: 14084  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 1770  
; LENGTH: 447  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 3, 4, 5  
; OTHER INFORMATION: n = A,T,C or G  
US-10-198-846-1770

RESULT 10  
US-09-814-353-14912  
Sequence 14912, Application US/09814353  
; Publication No. US2003016583A1  
; GENERAL INFORMATION:  
; APPLICANT: Lee, John  
; APPLICANT: Thompson, Pamela  
; APPLICANT: Lillie, James  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
; IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER  
; FILE REFERENCE: MRI-006B  
; CURRENT APPLICATION NUMBER: US/09/814,353  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: US 60/191,031  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/207,124  
; PRIOR FILING DATE: 2000-05-25  
; PRIOR APPLICATION NUMBER: US 60/211,940  
; PRIOR FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: US 60/216,820  
; PRIOR FILING DATE: 2000-07-07  
; PRIOR APPLICATION NUMBER: US 60/220,661  
; PRIOR FILING DATE: 2000-07-25  
; PRIOR APPLICATION NUMBER: US 60/257,672  
; PRIOR FILING DATE: 2000-12-21  
; NUMBER OF SEQ ID NOS: 22037  
; SOFTWARE: FastSEQ For Windows Version 4.0  
; SEQ ID NO: 14912  
; LENGTH: 519  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-814-353-14912  
Query Match 14.8%; Score 379.4; DB 14; Length 447;  
Best Local Similarity 99.7%; Pred. No. 1.7e-100;  
Matches 380; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Db 67 GTCACAAAGACTATTGTAGACTATCCGGTTAGGTCAAGGGGACATGTGAGTGA 811  
Qy 752 GTACAAAGACTATTGTAGAGACTATCCGGTTAGGGAAAGCCAATGATGACTA 811  
Db 52 GTACAAAGACTATTGTAGAGACTATCCGGTTAGGGAAAGCCAATGATGACTA 111  
Qy 932 CAATGGTGTGAACAACTGACCCCTCAGATGGCAGGGCACATGAATGGCAGCGG 991  
Db 247 CAATGGTGTGAACAACTGACCCCTCAGATGGCAGGGCACATGAATGGCAGCGG 306

Qy 992 CAGATGTAATTGTTAAATTCTGTAACCAACATGATATTACAGTTGGACCTGTGGCAAAGT 1051  
 Db 307 CAGATGTAATTGTTAAACCATGATATTACAGTTGGACCTGTGGCAAAGT 366

Qy 1052 CAATTCTCAAAACAGGAGGTGAAATGAAATCGGAATTCTTGCACAAAGGCTAAC 1111  
 Db 367 CAATTCTCAAAACAGGAGGTGAAATGAAATCGGAATTCTTGCACAAAGGCTAAC 426

Qy 1112 AGTTCAACGGTCCAGTTGG 1132  
 Db 427 AGTTCAACGGTCCAGTTGG 447

RESULT 12  
 US-10-060-036-1467  
 Sequence 1467, Application US/10060036  
 Publication No. US20030073144A1

GENERAL INFORMATION:  
 SEQ ID NOS: 22037

APPLICANT: Benson, Darin R.  
 APPLICANT: Kalos, Michael D.  
 APPLICANT: Lodes, Michael J.  
 APPLICANT: Persing, David H.  
 APPLICANT: Hepler, William T.  
 APPLICANT: Jiang, Yugui

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
 TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER

FILE REFERENCE: 210121\_566

CURRENT FILING DATE: 2002-01-30

NUMBER OF SEQ ID NOS: 4560

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 1467

LENGTH: 350

TYPE: DNA

ORGANISM: Homo sapiens

US-10-060-036-1467

Query Match 13.5%; Score 346.8; DB 14; Length 350;  
 Best Local Similarity 99.4%; Pred. No. 5.3e-91; Gaps 0;  
 Matches 348; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1821 ACAGGGAAATGGCANGGAAAGGGGGCCTTGGCTCTTAGGACACTGGAC 1880  
 Db 1 ACAGGGGAAAGGCAAGGAAAGGCAAAAGGCAAGGAAAGGCAACTGGAC 60

Qy 1881 TATTCAAGCAACAAACCAAGGAAATGAAAGAAATCATATTCTGAAATGTC 1940  
 Db 61 TATTCAAGCAACAAACCAAGGCAAAATGAAAGAAATCATATTCTGAAATGTC 120

Qy 1941 TGTGCCCTCAACTCAAGGCTCTAGATCAAAGAAACAGTTGAAATGTC 2000  
 Db 121 TGTGCCCTCAACTCAAGGCTCTAGATCAAAGAAACAGTTGAAATGTC 180

Qy 2001 GGTCTAAAGGTGGAGAGATGACATAAGGTCTCTAGCTGCTTCAAGAAGAA 2060  
 Db 181 GGTCTAAAGGTGGAGAGATGACATAAGGTCTCTAGCTGCTTCAAGAAGAA 240

Qy 2061 GAAATGAAAGGAAAAACTGACAGGAACTGTGAGCCATAGCTGGCTTCAAGA 2120  
 Db 241 GAAATGAAAGGAAAAACTGACAGGAACTGTGAGCCATAGCTGGCTTCAAGA 300

Qy 2121 CCCATACCAGTCTGAAATGTTGAGGTGAGTTGGCTTCAAAAGAAATGT 2170  
 Db 301 CCCATACCAGTCTGAAATGTTGAGGTGAGTTGGCTTCAAAAGAAATGT 350

RESULT 13  
 US-09-814-353-16893  
 Sequence 16893, Application US/09814333  
 Publication No. US20030165831A1

GENERAL INFORMATION:  
 APPLICANT: Lee, John  
 APPLICANT: Thompson, Pamela  
 APPLICANT: Lillie, James

TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
 THERAPY OF OVARIAN CANCER

CURRENT APPLICATION NUMBER: US/09/814,353  
 CURRENT FILING DATE: 2000-03-21  
 PRIORITY NUMBER: US 60/191,031

PRIOR APPLICATION NUMBER: US 60/191,031  
 CURRENT FILING DATE: 2000-03-21  
 PRIORITY NUMBER: US 60/191,031

PRIOR APPLICATION NUMBER: US 60/207,124  
 CURRENT FILING DATE: 2000-05-25  
 PRIORITY NUMBER: US 60/211,940

PRIOR APPLICATION NUMBER: US 60/216,820  
 CURRENT FILING DATE: 2000-06-15  
 PRIORITY NUMBER: US 60/216,820

PRIOR APPLICATION NUMBER: US 60/220,661  
 CURRENT FILING DATE: 2000-07-25  
 PRIORITY NUMBER: US 60/257,672

PRIOR APPLICATION NUMBER: US 22037  
 NUMBER OF SEQ ID NOS: 22037  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 LENGTH: 588  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 SEQ ID NO: 16893

Query Match 12.7%; Score 325.4; DB 12; Length 588;  
 Best Local Similarity 99.7%; Pred. No. 1.5e-84; Gaps 0;  
 Matches 326; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 151 TCAGBAGACTGGTCTCTGGAGAAAACATAGTGGCAAATTCCATTAAACCAATGAC 210  
 Db 262 TCAGBAGACTGGTCTCTGGAGAAAACATAGTGGCAAATTCCATTAAACCAATGAC 321

Qy 211 TTCAAAATTAAATAATGAGGTCTAGTGTGAATGCTCTCAGATAAGTTGGC 270  
 Db 322 TTCAAAATTAAATAATGAGGTCTAGTGTGAATGCTCTCAGATAAGTTGGC 381

Qy 271 TGTATCTCTACCCCTGGCTCTCCAGGAAAGCAAACTCTGCAGATGGTC 330  
 Db 382 TGTATCTCTACCCCTGGCTCTCCAGGAAAGCAAACTCTGCAGATGGTC 441

Qy 331 AGAAAATGCTGACTCTCTAGGATAGAGTTACGTTGAAAGATGACCTCACCACAT 390  
 Db 442 AGAAAATGCTGACTCTCTAGGATAGAGTTACGTTGAAAGATGACCTCACCACAT 501

Qy 391 GCTGTTGATGCTGCTGATGCAAGCCAATGAAATCTCTGATGGGGAGGCCTGGCC 450  
 Db 502 GCTGTTGATGCTGCTGATGCAAGCCAATGAAATCTCTGATGGGGAGGCCTGGCC 561

Qy 451 CGGGCCCTGTTAAAGCTGGTGGATT 477  
 Db 562 CGGGCCCTGTTAAAGCTGGTGGATT 588

RESULT 14  
 US-09-814-353-16914  
 Sequence 16914, Application US/09814353  
 Publication No. US20030165831A1

GENERAL INFORMATION:  
 APPLICANT: Lee, John  
 APPLICANT: Thompson, Pamela  
 APPLICANT: Lillie, James

TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
 THERAPY OF OVARIAN CANCER

CURRENT APPLICATION NUMBER: US/09/814,353  
 CURRENT FILING DATE: 2000-03-21  
 PRIORITY NUMBER: US 60/191,031

PRIOR APPLICATION NUMBER: US 60/191,031  
 CURRENT FILING DATE: 2000-03-21

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; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 16914
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-814-353-16914

Query Match          11.9%;  Score 303.6;  DB 12;  Length 359;
Best Local Similarity 98.2%;  Pred. No. 2.6-78;
Matches 328;  Conservative 0;  Mismatches 4;  Indels 2;
Gaps 2;
Query Match          11.9%;  Score 303.6;  DB 12;  Length 359;
Best Local Similarity 98.2%;  Pred. No. 2.6-78;
Matches 328;  Conservative 0;  Mismatches 4;  Indels 2;
Gaps 2;
Qy 752 GTCACAAAGACTATTAGAGACTATCGGGTTAGTTGCAAGGGAAAGCCAAATGATGAGTA 811
Db 26 GTCACAAAGACTATTAGAGACTATCGGGTTAGTTGCAAGGGAAAGCCAAATGATGAGTA 85
Qy 752 ATTTGAAAGAAATTACCTGGTGAATGAGGACCCCTACTGTTGCTGCCCTTAAGCTG 871
Db 86 ATTTGAAAGAAATTACCTGGTGAATGAGGACCCCTACTGTTGCTGCCCTTAAGCTG 145
Qy 812 ATTTGAAAGAAATTACCTGGGAGAGATGTCAGTGGAAAGTGGTCAAGATCCTTCAATG 931
Db 146 CTTCAGAATTCTCATCTGGGAGAGATGTCAGTGGAAAGTGGTCAAGATCCTTCAATG 205
Qy 98 GTCACAAAGACTATTAGAGACTATCGGGTTAGTTGCAAGGGAAAGCCAAATGATGTA 157
Db 932 CAATGGTCGTGAAACACTGACCCCTCCAGATGTCAGTGGAAAGTGGCAGACGG 991
Qy 812 ATTTGAAAGAAATTACCTGGTGAATGAGGACCCCTACTGTTGCTGCCCTTAAGCTG 871
Db 206 CAATGGTCGTGAAACACTGACCCCTCCAGATGTCAGTGGAAAGTGGCAGACGG 265
Qy 158 -TTGAAAGAAATTACCTGGTGAATGAGGACCCCTACTGTTGCTGCCCTTAAGCTG 215
Db 992 CAGATGTAATTTGTTAATTCTGTAACACCACATGATTTACA-GTTGGACCTGTGGC-AAA 1049
Qy 872 CTTCAGAATTCTCATCTGGGAAAGTGTGAGCTGGGACAGAAAACCACCCCTCTTCAAATG 931
Db 266 CAGATGTAATTTGTTAATTCTGTAACACCACATGATTTACA-GTTGGACCTGTGGCAGGG 325
Qy 216 CTTCAGAATTCTCATCTGGGAAAGTGTGAGCTGGGACAGAAAACCACCCCTCTTCAAATG 275
Db 1050 GTCAATTCTACACAAAGCAGGAGTTGAAATGAAA 1083
Qy 932 CAATGGTCGTGAAACCTGACCCCTCCAGATGTCAGGCCACATGGATGCGAGGG 991
Db 326 GTCAATTCTACACAAAGCAGGAGTTGAAATGAA 359
Qy 992 CAGATGTAATTGTTAATTCTGTAACACCACATGATTTACA-GTTGGACCTGTGGCAAGT 1051
Db 336 CAGATGTAATTGTTAATTCTGTAACACCACATGATTTACA-GTTGGACCTGTGGCAAGT 395
Qy 1052 CAATTCTACACAAAGCAGGAGTTGCAATGAAATCG 1086
Db 396 CAATTCTACACAAAGCAGGAGTTGCAATGAAATCG 430

RESULT 15
US-09-814-353-4224
; Sequence 4224, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND TREATMENT OF OVARIAN CANCER
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21

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